NASA Contractor Report 159065

M A I L L O G - PROGRAM OPERATING INSTRUCTIONS

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M A I L L O G

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NASA CONTRACTOR REPORT

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PREFACE

During the research and development phases of the Scout Project, large quantities of documentation are generated to describe analytical studies, assumptions, and results of each step from design through postflight analysis. These documents take the form of engineering reports, drawings, analyses, procedures, specifications, test results, and contractual reports.

Retrieval of these documents is based upon an assigned code number which denotes a file cabinet and approximate location within that cabinet. Therefore, knowledge of the filing system code number is necessary for retrieval.

The Scout Project Automatic Data System was developed as a single entry multiple cross-reference filing system. It was implemented to improve the overall management efficiency by:

a) reducing the number of man hours required to retrieve data from the files

b) providing for full data availability with quick retrieval during vehicle anomaly investigations

c) answering inquiries from NASA Headquarters and outside agencies for information on a Scout vehicle

d) helping alleviate a rapidly growing storage problem.

The MAIL LOG portion of this automated data system satisfies the above criteria. This program, with its multiple cross-reference capability, operates in conjunction with and amplification of the existing filing system.

1.0 INTRODUCTION

This document provides the operating instructions for the software package, MAIL LOG, developed for the Scout Project Automatic Data System, SPADS. The program is written in FORTRAN for the PRIME 300 computer system located in Building 1192-E at NASA, Langley Research Center. The MAIL LOG program has four modes of operation as shown in Figure 1:

1) INPUT - putting new records into the data base
2) REVISE - changing or modifying existing records in the data base
3) SEARCH - finding special records existing in the data base
4) ARCHIVE - store or put away existing records in the data base.

The output includes special printouts of records in the data base and results from the INPUT and SEARCH modes.

The MAIL LOG data base consists of three main subfiles: Incoming and outgoing mail correspondence; Design Information Releases (DIR) and Reports; and Drawings and Engineering Orders (E.O.) as shown in Figure 2.

SPADS

MAIL LOG

Modes of Operation

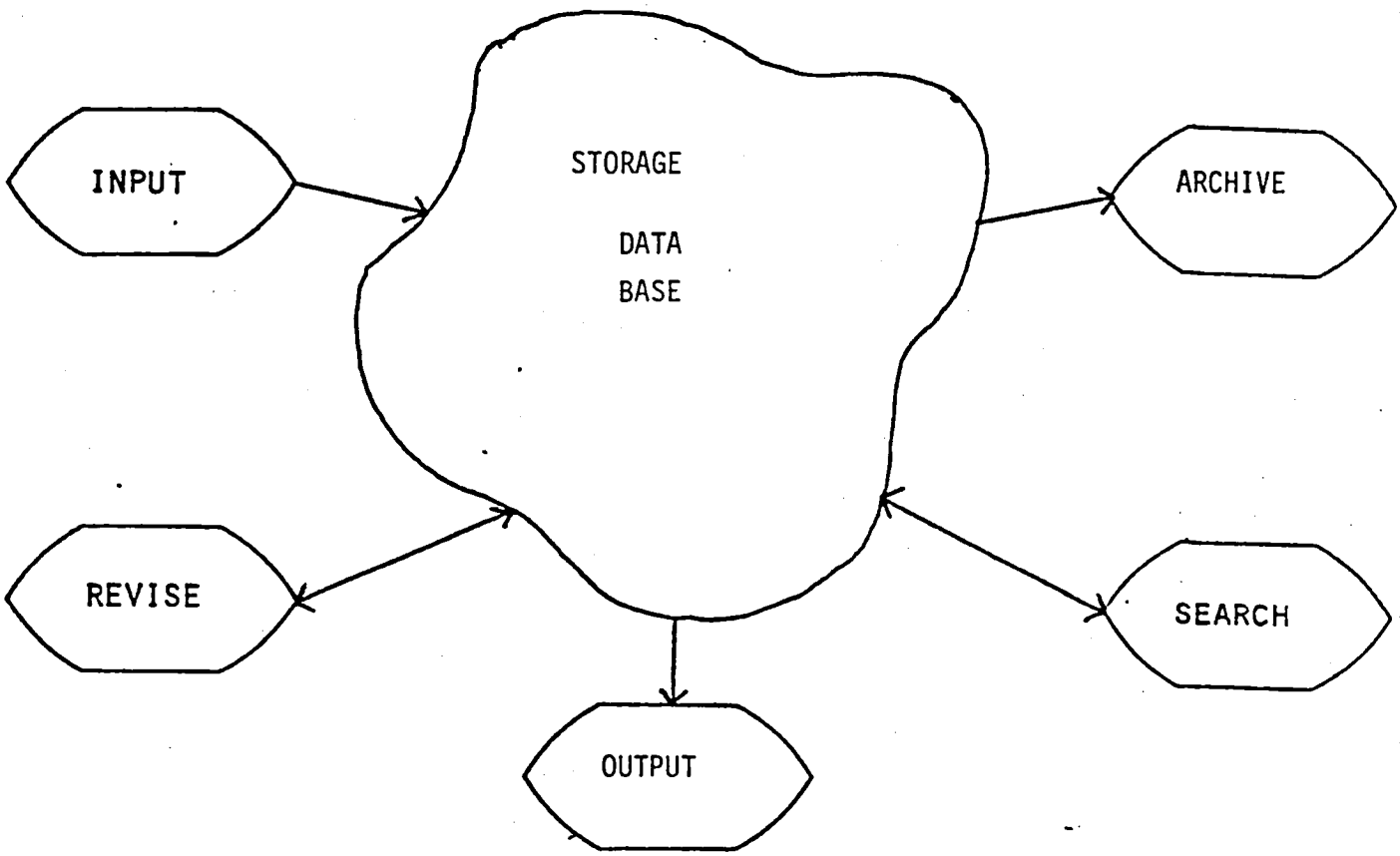

FIGURE 1

SPADS

MAIL LOG

Subfiled Data Base

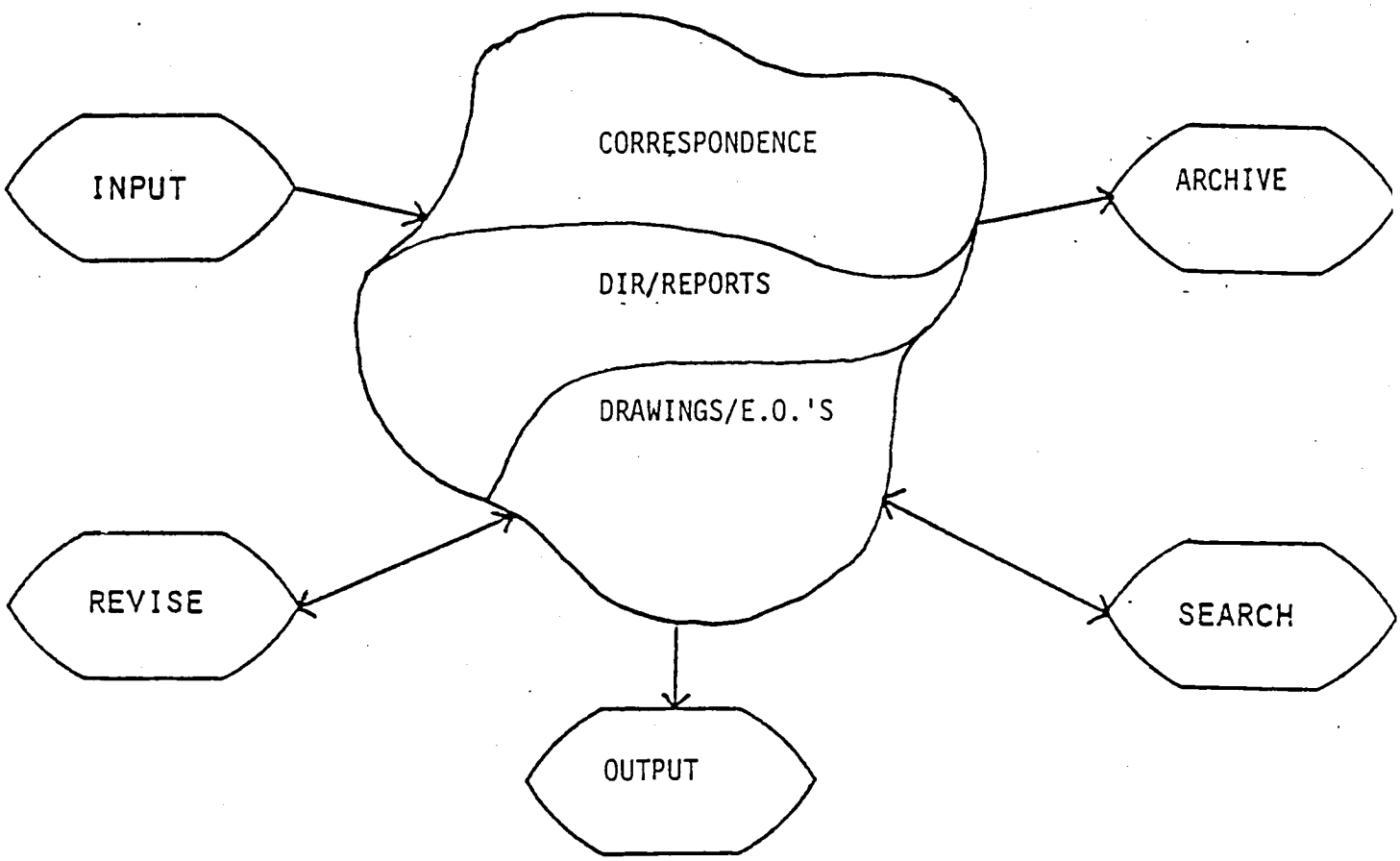

FIGURE 2

2.0 BASIC OPERATING PROCEDURES

The purpose of this section is to provide a description of the terminal actions the user must perform in order to LOGIN to the PRIME computer system, enter the SPADS MAIL LOG program, and exit the MAIL LOG program. Note that all user actions are terminated with a carriage return; designated by the key marked RETURN on the terminal.

2.1 LOGIN

User action is designated within a rectangle. XXX represents the user initials; N is the terminal location number; HR and MN is the time the user entered the system in hours and minutes; and MMDDYY is the month, day, and year.

```
LOGIN XXX
XXX   (N) LOGGED IN AT HR'MN   MMDDYY
```

This login allows user XXX to access any of the active programs on the SPADS system.

2.2 PROGRAM ENTRY

After system LOGIN is completed, the user must specify the program selection MAIL LOG as follows:

```
THE FOLLOWING IS A LIST OF CURRENT APPLICATIONS
PLEASE INDICATE YOUR APPLICATION/PROJECT BY SELECTING THE APPROPRIATE KEY

APPLICATION/PROJECT      KEY

CHANGE REQUEST           CHG
SCHEDULE 15000           150
SCHEDULE 15100           151
ANALYSIS I               ANAL
MAIL LOG                 MAIL
ELOPE                    ELOP
PROGRAM DEVELOPMENT      DEV
SOFTWARE MAINT           SOMA
MISCELLANEOUS            MISC

PLEASE ENTER THE APPROPRIATE KEY

MAIL
MAIL

WELCOME TO SPADS

MAIL LOG FILE

DO YOU WISH TO WORK WITH THE DIR/REPORT DATA --- ENTER DIR
                       OR DRAWING DATA     --- ENTER DRAW
                       OR DAILY CORRESPONDENCE  --- COR
                       OR QUIT                  --- QU
```

In order for the user to select one of the four modes of operation, one of three main data base subfiles must first be designated as follows:

```
DRAW

PLEASE CHOSE ONE OF THE FOLLOWING
MODE                KEY
INPUT               INP
REVISE              REV
SEARCH              SEA
ARCHIVE             ARC
QUIT                QUIT
```

2.3 PROGRAM EXIT

To leave the program the user must enter QUIT TWICE as shown below:

```
PLEASE CHOSE ONE OF THE FOLLOWING
MODE                KEY
INPUT               INP
REVISE              REV
SEARCH              SEA
ARCHIVE             ARC
QUIT                QUIT
QUIT

DO YOU WISH TO WORK WITH THE DIR/REPORT DATA --- ENTER DIR
                       OR DRAWING DATA      --- ENTER DRAW
                       OR DAILY CORRESPONDENCE --- COR
                       OR QUIT                 --- QU

QU
OK,
```

3.0 DATA BASE

The Mail Log Data Base is divided into three sections: Correspondence; Design Information Releases and other Engineering reports; and information pertaining to Engineering Drawings used in the Scout Project.

3.1 CORRESPONDENCE DATA

The Mail Correspondence portion of the MAIL LOG data base is further subdivided into six (6) subfiles representing the six types of documents:

TRANSMITTALS and SPECIFICATIONS
MEMO's and LETTERS
TWX's, MAGNAFAX's, and RAPIFAX's
ANNOUNCEMENTS
PURCHASE REQUESTS
MISCELLANEOUS DOCUMENTS and REPORTS

3.2 DESIGN INFORMATION RELEASE AND REPORTS DATA

The Design Information portion of the MAIL LOG data base consists of Design Information Releases (DIR's) and Reports.

3.3 DRAWINGS AND ENGINEERING ORDERS DATA

The Drawing portion of the Mail Log data base is further subdivided into two (2) subfiles:

DRAWINGS
ENGINEERING ORDERS (E.O.'s)

4.0 OPERATING PROCEDURES

The purpose of this section is to provide a description of the terminal actions the user must perform in order to use the four modes of operation: INPUT, REVISE, SEARCH, and ARCHIVE. Outputs resulting from these modes will be described in section 5.0.

The following conventions are used to define all user actions:

a) All user actions/responses are enclosed within a box.

b) All user actions/responses are terminated with a carriage return; designated by the key marked RETURN on the terminal.

c) Special comments or notes are underlined.

4.1 CORRESPONDENCE

4.1.1 INPUT MODE

4.1.1.1 DESCRIPTION OF INPUT MODE

The user must have clearance to execute within the INPUT mode; otherwise, an invalid user message will be displayed at the terminal as follows:

> SORRY, YOU ARE NOT VALIDATED TO USE THIS MODE. IF IT IS NECESSARY, PLEASE CONTACT SYSTEM OPERATOR AT EXT. 2621.

The Correspondence data record for each document consists of up to sixteen data items as shown in Figure 3. Following each complete document entry, all items are displayed on the terminal to be checked for errors at this time. After a document record has been declared correct, the specific subfile must be designated in which this document is to be stored. If all documents can not be entered in one input session, the user has a WAIT option which allows the daily input to be continued at a later time. This continuation is declared upon re-entering the INPUT mode. If the WAIT option is taken by mistake and there are no other documents to be entered, recovery is accomplished by declaring this is NOT a continuation upon re-entry into the INPUT mode. When this has been done the user now has three (3) options from which to choose:

a) Start a New Entry (NEW)
b) Spool Last Output Again (LAST)
c) Spool New Data Entered (DATA)

Option (c) DATA will spool to the high speed printer a sorted output of all documents entered for that daily input session.

When a daily input session is complete, this output is normally spooled to the printer in two formats: a complete record output and a brief or partial record output. If a computer or printer malfunction occurs during this output, another copy may be obtained by re-entering the INPUT mode as previously described and selecting option (b) LAST. For a sample of the complete and brief outputs see Section 5.1.1.

CORRESPONDENCE

RECORD DESCRIPTION

ITEM NO.	DATA ITEM	ITEM FORMAT
(1)	MAIL STATUS	2 characters
(2)	AUTHOR/SOURCE	28 characters
(3)	DOCUMENT DATE	6 characters - MMDDYY
(4)	TO/ADDRESSEE	32 characters
(5)	DOCUMENT LETTER NUMBER	18 characters
(6)	SUBJECT	10 characters/word - 7 words
(7)	ROUTING	3 characters - 6 entries
(8)	INPUT DATE	6 characters - MMDDYY
(9)	WA NUMBER/ID CODE	8 characters
(10)	CONTRACT NUMBER	20 characters
(11)	ACTION DUE DATE	6 characters - MMDDYY
(12)	REFERENCED DOCUMENTS	18 characters - 6 entries
(13)	FILE SYSTEM CODE	10 characters - 2 entries
(14)	RESPONSIBLE ENGINEER	3 characters - 3 entries
(15)	DAILY COUNTER	4 characters
(16)	* DESCRIPTION	10 characters/word - 7 words - 30 entries

* ONLY USED IN TRANSMITTAL SUBFILE

FIGURE 3

4.1.1.2 ACTION/RESPONSE DURING INPUT MODE

Step #1 IS THIS A CONTINUATION OF INPUT (YES OR NO)

If Yes, go to #4
If No, go to #2

Step #2 DO YOU WISH TO START A NEW ENTRY (NEW)
OR SPOOL LAST OUTPUT AGAIN (LAST)
OR SPOOL NEW DATA ENTERED (DATA)

If New, go to #3
If Last, output spooled to printer. Exit input mode
If Data, go to #3

Step #3 STAND BY. SYSTEM NOW PERFORMING FILE HOUSEKEEPING.
System pauses 10 to 35 seconds. No user response required.

Step #4 WELCOME TO THE MAIL LOG FILE INPUT ROUTINE.
PLEASE NOTE THAT ALL ENTRIES ARE TO BE PLACED BETWEEN THE
EXCLAMATION MARKS AND SHOULD BE LEFT JUSTIFIED
FIRST - PLEASE ENTER THE CURRENT DATE
!MMDDYY!

Input desired date for daily input - month, day, and year.
Note: User must skip a space to start.

Step #5 If Data option taken in Step #2, go to #31.
If data option not taken, go to #6.

Step #6 (1) MAIL STATUS - (VC) VOUGHT CORRESPONDENCE
(IM) INCOMING MAIL
(OM) OUTGOING MAIL
! !

Step #7 Enter mail status as given.
If legal entry, entry displayed on terminal; go to #8
This is done for all entries to follow.
If not legal, go to #6

Step #8 (2) AUTHOR/SOURCE
! !

Step #9 (3) DOCUMENT DATE
!MMDDYY!

Step #10 (4) TO
! !

Step #11 (5) DOCUMENT/LETTER NUMBER
! !

Step #12 (6) SUBJECT (7 WORDS - 10 CHAR/WORD)
! !

Step #13 (7) ROUTING
! !! !! !! !! !!

Step #14 (8) INPUT DATA DATE
!MMDDYY!

Note: This date will automatically be entered from the current date earlier and be displayed on terminal

Step #15 (9) W.A. NUMBER/ID.CODE
! !

If this W.A. number is found in the contract table, the contract number will be automatically entered and displayed on the terminal; go to #18. If not found in table, go to #16.

Step #16 IS THERE A CONTRACT NUMBER FOR THIS DOCUMENT (YES OR NO)

If Yes, go to #17
If No, go to #18

Step #17 (10) CONTRACT NUMBER

! !

Step #18 (11) ACTION ITEM DUE DATE

!MMDDYY!

Step #19 HOW MANY REFERENCE NUMBERS ARE THERE (MAX OF 6)

| X |

Enter number X

(12) REFERENCED DOCUMENT NUMBER

! !

Repeated X number of times

Step #20 (13) FILE SYSTEM CODE (S)

! !! !

Step #21 HOW MANY NASA RESPONSIBLE ENGINEER(S) ARE THERE (MAX OF 3)

| X |

Enter number X

(14) RESPONSIBLE ENGINEER(S)

! !! !! !

Step #22 HOW MANY DESCRIPTIONS ARE TO BE ENTERED (MAX OF 30)

| X |

Enter number X

(15) DESCRIPTION OF DOCUMENT TRANSMITTED

7 WORDS - 10 CHAR/WORD

!

!

Repeated X number of times.

Step #23 Entire record displayed on terminal

CHECK RECORD FOR ERRORS: IF CORRECT, ENTER COR
IF REVISION NEEDED, ENTER REV

If COR, go to #26
If REV, go to #24

Step #24 HOW MANY ITEMS DO YOU WISH TO REVISE (MAX OF 14)

[XX]

Enter number XX

Step #25 INPUT THE ITEM NUMBER THAT YOU WISH TO REVISE

[NN]

Enter number NN
Repeat XX number of times
Branches to data item to be revised, then
returns to #23

Step #26 WHICH SUB-FILE IS THIS RECORD TO BE STORED (NUMBER)

1. TRANSMITTAL/SPECIFICATION	2. MEMO/LETTER
3. TWX/MAGNAFAX/RAPIFAX	4. ANNOUNCEMENT
5. PURCHASE REQUEST	6. MISCELLANEOUS/REPORT

Step #27 If referenced document field is blank, go to #30
If not blank, the following message is displayed

STAND BY. SYSTEM NOW IN AUTOMATIC UPDATE MODE

Step #28 If word delay or delayed is found in the subject, go to #29
If approval, approved, disapproved, disapproval, or disposition
of the above, go to #30

Step #29 ACTION DUE DATE MM-DD-YY

MMDDYY represents the old date actual displayed month, day, and year

ENTER NEW DUE DATE (IF NONE, REPEAT OLD DATE)
MMDDYY

Step #30 FURTHER DATA TO BE INPUT (YES OR NO)

If Yes, go to #6
If No, go to #31

Step #31 DO YOU DESIRE THE DAILY OUTPUT (NOW OR WAIT)

If Now, go to #32
If Wait, exit from input mode

Step #32 WILL YOU WANT A COMPLETE DATA PRINTOUT ALONG WITH THE DAILY BRIEF OFFICE OUTPUT (YES OR NO)

If Yes, formats and spools both complete and brief outputs to the high speed printer
If No, formats and spools only the brief output to the high speed printer

Step #33 Exit from the input mode

4.1.2 REVISE MODE

4.1.2.1 DESCRIPTION OF REVISE MODE

The user must have clearance to execute within the REVISE mode; otherwise, an invalid user message will be displayed at the terminal as follows:

```
SORRY, YOU ARE NOT VALIDATED TO USE THIS MODE.
IF IT IS NECESSARY, PLEASE CONTACT SYSTEM OPERATOR
AT EXT. 2621.
```

This restriction is deemed necessary because the REVISE mode allows a user to revise any part or all of the document items. In addition, the user also has the capability of deleting the entire document record from its specific data base subfile.

To revise or delete a document, the input data and daily counter code is needed as the unique identifier for its location. Additional time can be saved if the user also knows in which of the six (6) correspondence data subfiles the document is stored. The REVISE mode also can give the user manual revise or delete capability for documents in the Action Due file.

4.1.2.2 ACTION/RESPONSE DURING REVISE MODE

Step #1 PLEASE ENTER THE INPUT DATE AND COUNT CODE OF THE DOCUMENT TO BE REVISED OR DELETED
! !! !

Step #2 IS THIS A SPECIAL ACTION DUE SUBFILE REQUEST

If Yes, go to #5
If No, go to #3

Step #3 SUBFILE SELECTION:

1. TRANSMITTAL/SPECIFICATION SUBFILE
2. MEMO/LETTER SUBFILE
3. TWX/MAGNAFAX/RAPIFAX SUBFILE
4. ANNOUNCEMENT SUBFILE
5. PURCHASE REQUEST SUBFILE
6. MISCELLANEOUS/REPORT SUBFILE

HOW MANY SUBFILES DO YOU WISH TO OPEN
[X]

Enter number to be searched
If X=6, go to #5
If X≠6, go to #4

Step #4 DO YOU WANT SUBFILE NUMBER N (YES OR NO)

Where N is file number 1 thru 6.
Repeated until X number of files designated

Step #5 Document displayed on terminal when found

IS THIS THE CORRECT RECORD TO BE REVISED OR DELETED (YES OR NO)

If Yes, go to #6
If No, continue search for document. When found repeat Step #5
If not found, exit revise mode.

Step #12 ENTER AUTHOR

! !

Exit from REVISE mode after brief pause to update file

Step #13 ENTER DOC./LETTER NUMBER

! !

Exit from REVISE mode after brief pause to update file

Step #14 ENTER ACTION DUE DATE

!MMDDYY!

Exit from REVISE mode after brief pause to update file

Step #15 ENTER FILE SYSTEM CODE

! !! !

Exit from REVISE mode after brief pause to update file

Step #16 ENTER RESPONSIBLE ENGINEER

! !! !! !

Exit from REVISE mode after brief pause to update file

Step #6 IS THIS RECORD TO BE REVISED OR DELETED (REV OR DEL)

If Rev, go to #7
If Del, record deleted; exit revise mode

Step #7 If action due file previously selected in Step #2, go to #11.

Step #8 HOW MANY ITEMS DO YO WISH TO REVISE (MAX OF 14)

XX

Enter number XX

Step #9 INPUT THE ITEM NUMBER THAT YOU WISH TO REVISE

NN

Enter number NN. Repeat XX number of times. Branch to data item NN to be revised. See input mode (4.1.1.2 Steps #6 thru #22).

Step #10 Entire record displayed on terminal. Check record for errors: If correct, enter COR; If revision needed, enter REV; If COR, exit from REVISE MODE; If REV, go to #8.

Step #11 REVISE OPTIONS:

1. AUTHOR
2. DOCUMENT/LETTER NUMBER
3. ACTION DUE DATE
4. FILE SYSTEM CODE
5. RESPONSIBLE ENGINEER

ENTER NUMBER ONLY

X

Enter number X
If X=1, go to #12
If X=2, go to #13
If X=3, go to #14
If X=4, go to #15
If X=5, go to #16

4.1.3 SEARCH MODE

4.1.3.1 DESCRIPTION OF SEARCH MODE

Of the sixteen (16) possible data items within a document record, eleven (11) are searchable. The resulting outputs from these searches vary from five (5) to eight (8) data items. See Figure 4. All searches except for the Action Due Date search have a multiple subfile selection capability in which any single or combination of the six subfiles may be used. The Action Due Date search automatically searches all six subfiles. There is a specialized All search which outputs all documents in a specified subfile or combination of subfiles. However, it is not recommended that the general user call for the search ALL option.

The searches may also be assigned for a particular time frame. If no time frame is selected, the first valid date becomes the earliest date in the data base and the last valid date defaults to 12-31-99. Of course, the Action Due Date, Document date, and Input Date searches do not use the time framing capability. However, the Document and Input Date searches can retrieve entire month's or an entire year's worth of data by entering 00. For example, entering 110078 would result in finding all the documents within the data base in the eleventh month, November, for the year 1978. Likewise, an entry of 000078 would retrieve all documents for the year 1978. See Figure 5.

If many documents are found during a search and it is observed that needed information will soon disappear from the screen, the user may temporarily stop terminal display by depressing the space bar. Terminal display may be restarted by depressing the 'Q' key.

CORRESPONDENCE

SEARCHABLE DATA ITEMS

	SEARCHABLE	OUTPUT
MAIL STATUS	*	
AUTHOR/SOURCE	*	
DOCUMENT DATE	*	
TO /ADDRESSEE	*	
DOCUMENT LETTER NUMBER	*	*
SUBJECT	*	*
ROUTING		
INPUT DATE	*	*
W.A. NUMBER/ID CODE	*	
CONTRACT NUMBER	*	
ACTION DUE DATE	*	**
REFERENCED DOCUMENTS		***
FILE SYSTEM CODE		*
RESPONSIBLE ENGINEER	*	**
DAILY COUNTER		*
**** DESCRIPTION		

* OUTPUT IN ALL SEARCHES

** ONLY OUTPUT DURING AN ACTION DUE SEARCH

*** OUTPUT IN ALL BUT AN ACTION DUE OR ALL SEARCH

**** ONLY USED IN TRANSMITTAL SUBFILE

FIGURE 4

CORRESPONDENCE

SEARCHES

PARAMETER	SUBFILE SELECTION	TIME FRAME
MAIL STATUS	ANY 6	ANY
AUTHOR	ANY 6	ANY
DOCUMENT DATE	ANY 6	DAY/MONTH/YEAR
TO	ANY 6	ANY
DOCUMENT LETTER NUMBER	ANY 6	ANY
SUBJECT	ANY 6	ANY
INPUT DATE	ANY 6	DAY/MONTH/YEAR
W.A. NUMBER/ID CODE	ANY 6	ANY
CONTRACT NUMBER	ANY 6	ANY
ACTION DUE	ALL 6	NONE
RESPONSIBLE ENGINEER	ANY 6	ANY
ALL	ANY 6	ANY

FIGURE 5

4.1.3.2 ACTION/RESPONSE DURING SEARCH MODE

Step #1 YOU ARE NOW VALIDATED TO SEARCH DATA IN THE MAIL LOG FILE - THE FOLLOWING SEARCH MODES ARE AVAILABLE FOR YOUR USE -

MODE	KEY
MAIL STATUS	MS
AUTHOR/SOURCE	AUTH
DOCUMENT DATE	DOC
TO/ADDRESSEE	TO
DOCUMENT/LETTER NUMBER	DLN
SUBJECT	SUB
INPUT DATA DATE	IDD
W.A. NUMBER/ID CODE	CWN
CONTRACT NUMBER	CON
ACTION ITEM DUE DATE	ADD
RESPONSIBLE ENGINEER	NRE
ALL	ALL
QUIT	QUIT

PLEASE SELECT THE DESIRED MODE

Enter key for desired mode

Step #2 If Quit, go to #50
No user response

Step #3 PLEASE INPUT THE CURRENT DATE
MMDDYY

If DOC, IDD, ADD, or ALL selected for key, go to #7

Step #4 WHAT IS THE FIRST VALID DATE
MMDDYY

Enter month, day, year

Step #5 WHAT IS THE LAST VALID DATE
MMDDYY

Enter month, day, year

Step #6 If legal dates entered, go to #7.
If not legal, the following message is displayed:

ERROR IN DATES - PLEASE TRY AGAIN

Go to #4

Step #7 If ADD selected for KEY, go to #11
No user response. Continue to #8

Step #8 SUBFILE SELECTION:
1. TRANSMITTAL/SPECIFICATION SUBFILE
2. MEMO/LETTER SUBFILE
3. TWX/MAGNAFAX/RAPIFAX SUBFILE
4. ANNOUNCEMENT SUBFILE
5. PURCHASE REQUEST SUBFILE
6. MISCELLANEOUS/REPORT SUBFILE
HOW MANY SUBFILES DO YOU WISH TO OPEN
X

Enter number X to be searched
If X=6, go to #10
If X≠6, go to #9

Step #9 DO YOU WANT SUBFILE NUMBER N (YES OR NO)

Where N is file number 1 thru 6.
Repeated until X number of files designated

Step #10 If key selected is ALL, go to #13
If key selected is NRE, go to #15
If key selected is TO, go to #18
If key selected is DOC, go to #21
If key selected is CON, go to #24
If key selected is CWN, go to #27
If key selected is AUTH, go to #30
If key selected is DLN, go to #33
If key selected is IDD, go to #36

If key selected is SUB, go to #39
If key selected is MS, go to #46

Step #11 THIS IS THE ACTION ITEM DUE DATE ROUTINE
NOTE - BREAK KEY HAS BEEN DISABLED FOR THIS RUN
THERE ARE TWO (2) OPTIONS FOR THE ACTION DUE SEARCH
1. A COMPLETE LISTING OF ALL ACTION DUE (1)
2. A NORMAL WITHIN 5 DAYS OR PAST DUE (2)
X

Enter number X

Step #12 If none found, the following message is displayed:

THERE ARE NO DOCUMENTS AWAITING ACTION
IF YOU WISH TO CONTINUE, DEPRESS THE RETURN

When return key is used, go to #1
If documents are found, a header is displayed.
Document data then follows. See Figure 37. After the last document is found and displayed, the following message is written on the terminal:

THERE ARE XXX DOCUMENTS AWAITING ACTION

Where XXX represents the number found, the output is spooled, exit search mode. See Figure 38.

Step #13 THIS IS THE PRINT ALL ROUTINE
ALL DOCUMENTS IN THE MAIL LOG FILE WILL BE PRINTED

Step #14 A header followed by document data is displayed. See Figure 15.
The output file is spooled. See Figure 16. Exit search mode.

Step #15 RESPONSIBLE ENGINEER SEARCH
WHO IS THE NASA RESPONSIBLE ENGINEER
(INITIALS ONLY)
AAA

Enter initials AAA

Step #16 A header followed by document data is displayed. See Figure 17. Terminal message is displayed after last found.

THERE ARE XXX DOCUMENTS WITH A RESPONSIBLE ENGINEER OF AAA

Where XXX represents the number of documents found and AAA are is initials entered for search

Step #17 IF YOU WISH TO CONTINUE, DEPRESS THE RETURN KEY

When return key is used, go to #1

Step #18 THIS IS THE WHO TO/ADDRESSEE SEARCH
WHAT IS THE DESIRED ADDRESSEE
AAAA

Enter name AAAA up to 32 characters. Last name, comma, space, first initial, period, space, middle initial, period.

Step #19 A header followed by document data is displayed. See Figure 19. Terminal message is displayed after last found

THERE ARE XXX DOCUMENTS WITH AN ADDRESSEE OF AAAA

Where XXX represents the number of documents found and AAAA the addressee entered for search

Step #20 Go to #17

Step #21 DOCUMENT DATA SEARCH ROUTINE
WHAT IS THE DATE THAT YOU WANT
MMDDYY

Enter Date: month, day, year

Step #22 A header followed by document data is displayed. See Figure 21. Terminal message is displayed after last found.

THERE ARE XXX DOCUMENTS WITH A DOCUMENT DATE OF MM-DD-YY

Where XXX represents the number of documents found and MMDDYY is the document date entered for search.

Step #23 Go to #17

Step #24 CONTRACT NUMBER SEARCH
WHAT IS THE DESIRED CONTRACT
AAAA

Enter contract number AAAA up to 20 characters

Step #25 A header followed by document data is displayed. See Figure 23. Terminal message is displayed after last found.

THERE ARE XXX DOCUMENTS WITH A CONTRACT NUMBER OF AAAA

Where XXX represents the number of documents found and AAAA is the contract number entered for search.

Step #26 Go to #17

Step #27 W.A. NUMBER/ID CODE SEARCH
WHAT IS THE DESIRED CODE
NNNNIIII

Enter W.A. No. NNNN and ID Code IIII

Step #28 A header followed by document data is displayed. See Figure 25. Terminal message is displayed after last found.

THERE ARE XXX DOCUMENTS WITH A W.A. NUMBER/ID CODE OF NNNNIIII.

Where XXX represents the number of documents found and NNNNIIII is the W.A. number/ID code entered for search.

Step #29 Go to #17.

Step #30 THIS IS THE DOCUMENT AUTHOR/SOURCE SEARCH
WHAT IS THE DESIRED AUTHOR/SOURCE
AAAA

Enter Author/Source AAAA up to 28 characters. Note: Author - last name, space, first initial, period, space middle initial, period.

Step #31 A header followed by document data is displayed. See Figure 27. Terminal message is displayed after last found.

THERE ARE XXX DOCUMENTS WITH AN AUTHOR/SOURCE OF AAAA

Where XXX represents the number of documents found and AAAA is the author/source entered for search

Step #32 Go to #17

Step #33 DOCUMENT/LETTER NUMBER SEARCH
WHAT IS THE DESIRED DOCUMENT NUMBER
AAAA

Enter document number AAAA up to 18 characters

Step #34 A header followed by document data is displayed. See Figure 29. Terminal message is displayed after last found.

THERE ARE XXX DOCUMENTS WITH DOCUMENT/LETTER NUMBER OF AAAA

Where XXX represents the number of documents found and AAAA is the document number entered for search.

Step #35 Go to #17

Step #36 INPUT DATA DATE SEARCH ROUTINE
WHAT IS THE DATE THAT YOU WANT
MMDDYY

Enter date: month, day, year

Step #37 A header followed by document data is displayed. See Figure 31. Terminal message is displayed after last found.

THERE ARE XXX DOCUMENTS WITH A DATE OF MM-DD-YY

Where XXX represents the number of documents found and MMDDYY is the input date entered for search.

Step #38 Go to #17

Step #39 HOW MANY WORDS DO YOU WISH TO MATCH (MAX OF 4)
X

Enter number X

Step #40 WHAT IS THE DESIRED WORD
AAAA

Enter word AAAA
If word is QUIT, go to #45

Step #41 As each subject is found containing the desired word, the subject is displayed on the terminal. Following the last subject is displayed a message.

THERE ARE XXX DOCUMENTS CONTAINING THE WORD AAAA

Where XXX represents the number of documents found and AAAA is the desired word entered.

Step #42 Steps #40 and #41 are repeated X number of times from Step #39, unless zero (0) documents are found. If no documents are found, go to #45.

Step #43 A header followed by document data is displayed after the last word is searched. See Figure 33.

Step #44 Go to #17.

Step #45 DO YOU WISH TO TRY THE SUBJECT SEARCH AGAIN (YES OR NO)

If Yes, go to #39
If No, go to #17

Step #46 THIS IS THE MAIL STATUS SEARCH ROUTINE
PLEASE INPUT THE DESIRED MAIL STATUS
(VC, IM, OM)
AA

Enter mail status AA: Vought Correspondence, Incoming Mail, or Outgoing Mail

Step #47 If AA is a legal entry, go to #48.
If AA not legal, message displayed:

ERROR IN MAIL STATUS AA NOT ALLOWABLE.
TRY AGAIN

Where AA is the mail status entered, go to #46.

Step #48 A header followed by document data is displayed. See Figure 35. Terminal message is displayed after last found.

THERE ARE XXX DOCUMENTS WITH A MAIL STATUS OF AA

Where XXX represents the number of documents found and AA is the mail status entered for search

Step #49 Go to #17

Step #50 DO YOU WANT A HARD COPY OF THE INFORMATION FOUND

If Yes, output spooled to printer. See Section 5.1.2 for outputs

Step #51 Exit search mode

4.1.4 ARCHIVE MODE

4.1.4.1 DESCRIPTION OF ARCHIVE MODE

The user must be validated to execute in the ARCHIVE mode. If not properly logged in, an invalid user message will be displayed on the terminal as follows:

```
SORRY, YOU ARE NOT VALIDATED TO USE THIS MODE.
IF IT IS NECESSARY, PLEASE CONTACT SYSTEM OPERATOR AT EXT. 2621.
```

To archive a document not only is the input date and daily counter code needed, but also the specific data subfile in which it is located. After these requirements have been satisfied a pause of 15 to 50 seconds occurs for the system to update all files involved. When the document has been archived, the user is automatically returned to the program entry, section 2.2.

```
WELCOME TO SPADS

MAIL LOG FILE

DO YOU WISH TO WORK WITH THE DIR/REPORT DATA --- ENTER DIR
                       OR DRAWING DATA     --- ENTER DRAW
                       OR DAILY CORRESPONDENCE  --- COR
                       OR QUIT                   --- QU
```

4.1.4.2 ACTION/RESPONSE DURING ARCHIVE MODE

Step #1 PLEASE ENTER THE INPUT DATE AND COUNT CODE OF THE DOCUMENT TO BE ARCHIVED

! !! !

Step #2 WHICH SUBFILE IS THIS DOCUMENT LOCATED:

1. TRANSMITTAL/SPECIFICATION
2. MEMO/LETTER
3. TWX/MAGNAFAX/RAPIFAX
4. ANNOUNCEMENT
5. PURCHASE REQUEST
6. MISCELLANEOUS/REPORT

X

Enter number X of subfile 1 thru 6

Step #3 Pause for system housekeeping to be completed

Exit ARCHIVE mode when done

4.2 DESIGN INFORMATION RELEASE/REPORT

4.2.1 INPUT MODE

4.2.1.1 DESCRIPTION OF INPUT MODE

The user must have clearance to execute within the INPUT mode; otherwise, an invalid user message will be displayed at the terminal.

Example

SORRY, YOU ARE NOT VALIDATED TO USE THIS MODE. IF IT IS NECESSARY, PLEASE CONTACT SYSTEM OPERATOR AT EXT. 2621.

The DIR/REPORT data record for each document consists of up to nine data items. See Figure 6. The first item entered is the DIR/REPORT Number. The file is then checked for a previous entry containing this number. If the number is found, the user has the option to enter the REVISE mode. Normally changes are required only to two data items: (8) Revision and (9) Revision Date. Following each completed document entry, all items are displayed on the terminal.

DIR/REPORT

RECORD DESCRIPTION

ITEM NO	DATA ITEM	ITEM FORMAT
(1)	TITLE	10 characters/word -7 words
(2)	DIR/REPORT NUMBER	14 characters
(3)	DATE	6 characters - MMDDYY
(4)	SYSTEM	4 characters -3 entries
(5)	VEHICLE	4 characters -2 entries
(6)	W.A. NUMBER/ID CODE	8 characters
(7)	* CONTRACT NUMBER	20 characters
(8)	REVISION	2 characters
(9)	REVISION DATE	6 characters -MMDDYY

* NOT STORED IN DATA BASE SUBFILE
CONTAINED IN WA/CONTRACT TABLE

FIGURE 6

4.2.1.2 ACTION/RESPONSE DURING INPUT MODE

Step #1 WELCOME TO THE DIR-REPORT FILE INPUT ROUTINE. PLEASE INPUT INFORMATION BETWEEN EXCLAMATION MARKS AND LEFT JUSTIFY ALL ENTRIES.
ENTER THE DIR OR REPORT NUMBER
XXX

Enter number XXX up to 14 characters

Step #2 If number not found in file, go to #6
If number found, display message and entire record on terminal

THIS DIR/REPORT IS ALREADY IN THE DATA FILE

Step #3 DO YOU WISH TO REVISE (YES OR NO)

If Yes, go to #4
If No, go to #16

Step #4 HOW MANY ITEMS DO YOU WISH TO REVISE (MAX OF 8)
X

Enter number X

Step #5 INPUT THE ITEM NUMBER THAT YOU WISH TO REVISE
N

Enter number N
Repeat X number of times. Branch to data item N to be revised as shown in Steps #6 thru #15.

Step #6 (1) TITLE (7 WORDS - 10 CHAR.)
! !

Enter title. If legal entry, the entry is displayed on terminal. If not legal, step is repeated. This is done for all entries to follow. NOTE: User must skip a space before entering data.

Step #7 If input mode, go to #8

(2) DIR OR REPORT NUMBER
! !

Step #8 (3) DOCUMENT DATE
!MMDDYY!

Enter month, day, year

Step #9 (4) SYSTEM (ELEC,GSE,GUID,MECH,PROP,RF,SOP,MGS,EGS,PERF)
! !! !! !

Step #10 (5) W.A. NUMBER/ID CODE
! !

Step #11a If W.A. number/ID code is found in the contract table, the contract number will be displayed on the terminal as follows:

CONTRACT NUMBER XXXXX

Where XXXXX represents the number up to 20 characters.

Step #11b If W.A. number/ID code is not found in the contract table, a special message will be displayed:

CONTRACT NUMBER WA NOT FOUND SEE RJK

Step #12 (6) VEHICLE
! !! !
XXXA

Enter vehicle number XXXA up to two numbers where XXX represents the numbers. The 'A' represents the letter 'S' which stands for all subsequent vehicle numbers after XXX.

Step #13 (7) REVISION
! !

If none, no user entry.

Step #14 (8) REVISION DATE
!MMDDYY!

If none, no user entry.

Step #15 Entire record displayed on terminal

Step #16 IS THERE FURTHER INFORMATION TO BE INPUT (YES OR NO)

If Yes, go to #1
If No, exit INPUT/REVISE mode

4.2.2 REVISE MODE

4.2.2.1 DESCRIPTION OF REVISE MODE

The user must have clearance to execute within the REVISE mode; otherwise, an invalid user message will be displayed at the terminal as follows:

> SORRY, YOU ARE NOT VALIDATED TO USE THIS MODE. IF IT IT NECESSARY, PLEASE CONTACT SYSTEM OPERATOR AT EXT. 2621.

This restriction is deemed necessary because the REVISE mode allows a user to not only revise any part or all of the document items, but also to delete the entire document record from the DIR/REPORT data base subfile. The only information needed in order to revise or delete a DIR or Report is the DIR number.

4.2.2.2 ACTION/RESPONSE DURING REVISE MODE

Step #1 PLEASE INPUT THE SPO DIR-REPORT NUMBER OF THE DOCUMENT TO BE REVISED

If not found, exit REVISE mode
If found, go to #2

Step #2 Entire record displayed on terminal

IS THIS THE CORRECT RECORD TO BE REVISED OR DELETED (YES OR NO)

If Yes, go to #3
If no, continue search for document. When found, repeat Step #2
If not found, exit REVISE mode.

Step #3 IS THIS RECORD TO BE REVISED OR DELETED (REV OR DEL)

If REV, go to #4
If DEL, record Deleted; exit REVISE mode

Step #4 Perform steps #4 thru #15 in input mode section 4.2.1.2

Step #5 Exit REVISE mode

4.2.3 SEARCH MODE

4.2.3.1 DESCRIPTION OF SEARCH MODE

Of the nine (9) possible data items within a DIR/REPORT record, all but one, REVISION, are searchable. It should also be noted that the Revision Date is searched during a Date search. This allows the Date search to check only the most recent date associated with a document. See Figure 7. The Date search has the capability of retrieving an entire month's or year's worth of data by entering 00 for the day or month. For example, entering 110078 would result in finding all the documents within the data base in the eleventh month, November, for the year 1978. Likewise, an entry of 000078 would retrieve all documents for the year 1978.

There is a specialized ALL search which outputs all documents in the DIR/REPORT subfile. This ALL search has an optional output along with the normal output consisting of the entire nine item record. This optional output only displays the number of documents found on the terminal and automatically spools to the high speed printer the DIR number and Revision.

The Vehicle search also has a special quality. A group of vehicles may be found by using the first and last valid vehicle options. For example, if a user declares the first valid vehicle as 198 and is searching for vehicle number 200, not only would all documents containing vehicle 200 be found, but also those with numbers 198S, 199S, and 200S; where S represents all subsequent vehicles. Default for the first valid vehicle number is zero (0) whereas, the last valid vehicle number becomes 999.

If many documents are found during a seach and it is observed that needed information will soon disappear from the screen, the user may temporarily stop terminal display by depressing the space bar. Terminal display may be restarted by depressing the 'Q' key.

DIR/REPORT

SEARCHABLE DATA ITEMS

	SEARCHABLE	OUTPUT
TITLE	*	*
DIR/REPORT NUMBER	*	*
DATE	*	*
SYSTEM	*	*
VEHICLE	*	*
W.A. NUMBER/ID CODE	*	*
*** CONTRACT NUMBER	*	*
REVISION		*
REVISION DATE	**	*

** INCLUDED WITHIN THE DATE SEARCH

*** NOT STORED IN DATA BASE SUBFILE
CONTAINED IN W.A./CONTRACT TABLE

FIGURE 7

4.2.3.2 ACTION/RESPONSE DURING SEARCH MODE

Step #1 YOU ARE NOW VALIDATED TO SEARCH DATA IN THE DIR/REPORT FILE - THE FOLLOWING SEARCH MODES ARE AVAILABLE FOR YOUR USE -

MODE	KEY
TITLE	TITLE
DIR-REPORT NUMBER	DIR
DOCUMENT DATE	DATE
SYSTEM	SYS
W.A. NUMBER/ID CODE	WAN
CONTRACT NUMBER	CON
VEHICLE	VEH
ALL	ALL
QUIT	QUIT

PLEASE SELECT THE DESIRED MODE

Enter key for desired mode

Step #2 If key selected is ALL, go to #3
If key selected is TITLE, go to #8
If key selected is DIR, go to #15
If key selected is DATE, go to #17
If key selected is WAN, go to #19
If key selected is SYS, go to #21
If key selected is CON, go to #23
If key selected in VEH, go to #25
If key selected is QUIT, to go #29

Step #3 THIS IS THE PRINT ALL ROUTINE
ALL DOCUMENTS STORED IN THE DIR FILE WILL BE SPOOLED AND A TOTAL COUNT OF THE DOCUMENTS WILL BE GIVEN. YOU HAVE A CHOICE OF TWO (2) OPTIONS OF OUTPUT
(1) FULL LISTING OF ALL FIELDS FOR EACH DIR RECORD
(2) BRIEF LISTING OF DIR NUMBER AND REVISION
ENTER OPTION (1 OR 2)
X

If X=1, go to #4
If X=2, go to #5

Step #4 Entire record is displayed on the terminal for each document; See Figure 39. Go to #6

Step #5 A number indicating how many records read will be displayed on the terminal.

Step #6 THERE ARE XXX DOCUMENTS IN THE DIR FILE

Where XXX represents the number of documents found.

Step #7 Output file is automatically spooled to the high speed printer; Exit the SEARCH mode.

Step #8 HOW MANY WORDS DO YOU WISH TO MATCH (MAX OF 4)

X

Enter number X

Step #9 WHAT IS THE DESIRED WORD

AAAA

Enter word AAAA. If word is Quit, go to #14.

Step #10 As each title is found containing the desired word, the title is displayed on the terminal. Following the last title is displayed a message:

THERE ARE XXX DOCUMENTS CONTAINING THE WORD AAAA

Where XXX represents the number of documents found and AAAA is the desired word entered.

Step #11 Steps #9 and #10 are repeated X number of times from Step #8 unless zero (0) documents are found. If no documents are found, to to #14.

Step #12 For all documents found, document data is displayed after the last word is searched. See Figure 39.

Step #13 Go to #1

Step #14 DO YOU WISH TO TRY THE TITLE SEARCH AGAIN (YES OR NO)

If Yes, go to #8
If No, go to #1

Step #15 WHAT IS THE DESIRED DIR-REPORT NUMBER

Enter number up to 14 characters

Step #16a If found, the entire record is displayed on the terminal. See Figure 39. Go to #1.

Step #16b If not found, go to #1.

Step #17 WHAT IS THE DATE THAT YOU WANT
!MMDDYY!

Enter month, day, and year after skipping one space.

Step #18 Entire document record is displayed on the terminal for each found. See Figure 39.

THERE ARE XXX DOCUMENTS WITH A DATE OF MM-DD-YY

Where XXX represents the number of documents found and MMDDYY is the date entered fo the search. Go to #1.

Step #19 WHAT IS THE DESIRED W.A. NUMBER
NNNNIII

Enter W.A. No. NNNN and ID Code IIII

Step #20 Entire document record is displayed on the terminal for each found. See Figure 39.

THERE ARE XXX DOCUMENTS WITH A W.A. NUMBER OF NNNNIIII

Where XXX represents the number of documents found and NNNIII is the W.A. number entered for the search. Go to #1.

Step #21 WHAT IS THE DESIRED SYSTEM (ELEC,GSE,GUID,MECH,DROP,RF,SOP,MGS,EGS,PERF)
AAAA

Enter system AAAA

Step #22 Entire document record is displayed on the terminal for each found. See Figure 39.

THERE ARE XXX DOCUMENTS WITH A SYSTEM OF AAA

Where XXX represents the number of documents found and AAAA is the system entered for the search. Go to #1.

Step #23 WHAT IS THE DESIRED CONTRACT NUMBER
AAAA

Enter contract number up to 20 characters.

Step #24 Entire document record is displayed on the terminal for each found. See Figure 39.

THERE ARE XXX DOCUMENTS WITH A CONTRACT NUMBER OF AAA

Where XXX represents the number of documents found and AAAA is the contract number entered for the search. Go to #1.

Step #25 WHAT IS THE DESIRED VEHICLE NUMBER
!NNN !
Enter number NNN after skipping one space.

Step #26 WHAT IS THE FIRST VALID VEHICLE NUMBER

Enter number; no spacing. If information on a specific vehicle is desired, enter the same vehicle as in Step #25.

Step #27 WHAT IS THE LAST VALID VEHICLE NUMBER
NOTE - THE DEFAULT IS VEHICLE 999

Enter number; no spacing. If information on a specific vehicle is enter the same number as in Step #25.

Step #28 Entire document record is displayed on the terminal for each found. See Figure 39.

THERE ARE XXX DIR/REPORTS RELATING TO VEHICLE NNN

Where XXX represents the number of documents found and NNN is the vehicle number entered for the search. Go to #1.

Step #29 DO YOU WANT A HARD COPY OF THE INFORMATION FOUND

If Yes, output spooled to printer. See Section 5.2.1 for outputs.

Step #30 Exit SEARCH mode

4.2.4 ARCHIVE MODE

4.2.4.1 DESCRIPTION OF ARCHIVE MODE

The user must be validated to execute in the ARCHIVE mode. If not properly logged, an invalid user message will be displayed on the terminal as follows:

> SORRY, YOU ARE NOT VALIDATED TO USE THIS MODE. IF IT IS NECESSARY, PLEASE CONTACT SYSTEM OPERATOR AT EXT. 2621.

The necessary information needed in order to archive a DIR or Report is the DIR number. The user may also designate how many documents to be archived at one session. When the document has been archived, the user is automatically returned to the program mode selection level as shown below. For more detail see section 2.2 or 2.3.

PLEASE CHOSE ONE OF THE FOLLOWING

MODE	KEY
INPUT	INP
REVISE	REV
SEARCH	SEA
ARCHIVE	ARC
QUIT	QUIT

4.2.4.2 ACTION/RESPONSE DURING ARCHIVE MODE

Step #1 WELCOME TO THE DIR-REPORT FILE ARCHIVE ROUTINE
HOW MANY DOCUMENTS DO YOU WISH TO ARCHIVE
XX

Enter number XX

Step #2 WHAT IS THE DIR-REPORT NUMBER OF THE DOCUMENT YOU WISH TO ARCHIVE
AAAA

Enter number AAAA up to 14 characters

Step #3 Pause for system housekeeping to be completed. Repeat Steps #2 and #3 XX number of times.

Step #4 Exit ARCHIVE mode when done.

4.3 DRAWING/ENGINEERING ORDER

4.3.1 INPUT MODE

4.3.1.1 DESCRIPTION OF INPUT MODE

The user must have clearance to execute within the INPUT mode; otherwise, an invalid user message will be displayed at the terminal as follows:

> SORRY, YOU ARE NOT VALIDATED TO USE THIS MODE. IF IT IS NECESSARY, PLEASE CONTACT SYSTEM OPERATOR AT EXT. 2621.

The DRAWING subfile data record consists of twelve data items. See Figure 8. The Engineering Order subfile data record consists of six data items. See Figure 9. The main body of data for these two subfiles are sent from Dallas rather than manually input. Unfortunately, vehicle system and section and engineering order titles are not available in the original Dallas Data Base. However, these fields may be entered in manually input drawings and E.O.'s.

The Input mode has two optional operations:

(1) E.O. - input of new engineering orders
(2) Drawings and E.O.'s - input of new drawings along with their referenced E.O.'s.

During option number 2, entry of referenced E.O.'s, option number 1 is automatically performed if the E.O.'s are new to the data base.

Entry of new engineering orders may result in one of three terminal messages if the drawing sheet already has three, four, or more E.O.'s referenced. See section 5.3.1 for more information concerning this output.

DRAWING RECORD DESCRIPTION

ITEM NO.	DATA ITEM	ITEM FORMAT
(1)	TITLE	10 characters/word - 7 words
(2)	DRAWING NUMBER	14 characters
	* VENDOR CODE	3 characters
(3)	DATE	6 characters - MMDDYY
(4)	**SYSTEM	4 characters - 3 entries
(5)	VEHICLE	4 characters - 2 entries
(6)	**SECTION	12 characters
(7)	NUMBER OF SHEETS	2 characters
(8)	SHEET NUMBER	2 characters
(8)	SHEET REVISION	2 characters
(9)	NUMBER OF E.O.'s	2 characters
(9)	E.O.'s REFERENCED	8 characters - 10 entries

* CONTAINED WITHIN DRAWING NUMBER

**NOT CONTAINED IN DALLAS DATA

FIGURE 8

ENGINEERING ORDER RECORD DESCRIPTION

ITEM NO.	DATA ITEM	ITEM FORMAT
(1)	* E.O. TITLE	10 characters/word - 7 words
(2)	E.O. NUMBER	8 characters
(3)	E.O. REVISION	2 characters
(4)	E.O. DATE	6 characters - MMDDYY
(5)	E.O. REVISION DATE	6 characters - MMDDYY
(6)	VEHICLE	4 characters - 2 entries

* NOT PRESENT IN DALLAS DATA

FIGURE 9

4.3.1.2 ACTION/RESPONSE DURING INPUT MODE

Step #1 WELCOME TO THE DRAW-EO FILE INPUT ROUTINE
PLEASE INPUT INFORMATION BETWEEN EXCLAMATION MARKS AND LEFT JUSTIFY ALL ENTRIES
IS THIS A DRAWING OR AN E.O. (DRAW OR EO)

If Draw, go to #2
If EO, go to #20

Step #2 (1) TITLE (7 WORDS - 10 CHAR.)
! !

Enter Title
If legal entry, the entry is displayed on terminal.
If not legal, step is repeated. This is done for all entries to follow. NOTE: User must skip a space before entering data.

Step #3 (2) DRAWING NUMBER
! !

Enter number up to 14 characters

Step #4 (3) DRAWING DATE
!MMDDYY!

Enter month, day, and year.

Step #5 (4) SYSTEM (ELEC,GSE,GUID,MECH,PROP,RF,SOP,MGS,EGS,PERF)
! !! !! !

Step #6 (5) VEHICLE
! !! !
XXXA

Enter vehicle number XXXA up to two numbers, where XXX represents the numbers. The 'A' represents the letter 'S' which stands for all subsequent vehicle numbers after XXX.

Step #7 (6) SECTION

E SECT	UPPER B	LOWER B	ALCYONE IA	ALCYONE IIA
G SECT	UPPER C	LOWER C	ALGOL IIA	ALGOL IIIA
EG SECT	UPPER D	LOWER D	ANTARES IIA	ANTARES IIIA
BASE A	UPPER F	LOWER F	ALTAIR IIIA	CASTOR IIA
	H/S 34/-24	H/S 34/-40	H/S 42/-45	

! !

Step #8 (7) NUMBER OF SHEETS

! !

XX

Enter number X

Step #9 (8) ENTER THE FOLLOWING DATA:

SHEET #1

REVISION: IF NONE, NC

! !

Step #10 NUMBER OF E.O.'S

! !

XX

Enter number XX E.O.'s against sheet #1; up to maximum of 10 E.O. numbers may be referenced.

If XX=0, go to #13. If XX≠0, go to #11.

Step #11 (9) REFERENCED E.O.'S

! !

Enter E.O. number

Step #12 ENTER ANY FURTHER AVAILABLE DATA FOR EACH E.O.

See Steps #20 thru #25. Repeat Steps #11 and #12 XX number of times. Go to #13.

Step #13 If X number of sheets = 1, go to #19

If X number of sheet is more than 1, go to #14

Step #14 (8) ENTER THE FOLLOWING DATA:
EXAMPLE SHEET ENTRY:
SHEET #2.1 !02!!10!
! !! !

Step #15 REVISION: IF NONE; NC
! !

Step #16 NUMBER OF E.O.'S
! !
XX

Enter number XX E.O.'s against sheet entered in Step #14; up to maximum of 10 E.O. numbers may be referenced.
If XX=0, go to #19. If XX≠0, go to #17.

Step #17 REFERENCED E.O.'S
! !

Enter E.O. number

Step #18 ENTER ANY FURTHER AVAILABLE DATA FOR EACH E.O.

See Steps #20 thru #25
Repeat Steps #17 and #18 XX number of times.
Go to #19

Step #19 Entire drawing record along with referenced E.O.'s are displayed on the terminal. Go to #34.

Step #20 (1) TITLE (7 WORDS - 10 CHAR.)
! !

Enter title
If legal entry, the entry is displayed on terminal.
If not legal, step is repeated. This is done for all entries to follow. NOTE: User must skip a space before entering data.

Step #21 (2) E.O. NUMBER
! !

Step #22 (3) REVISION: IF NONE, ENTER NC
! !

Step #23 (4) E.O. DATE
!MMDDYY!

Enter month, day, year

Step #24 (5) E.O. REVISION DATE
!MMDDYY!

Step #25 (6) VEHICLE
! !! !
XXXA

Enter vehicle number XXXA up to two numbers where XXX represents the numbers. The 'A' represents the letter 'S' which stands for all subsequent vehicle numbers after XXX.

Step #26 HOW MANY DRAWINGS DOES THIS E.O. REFERENCE
XX

Enter number XX; up to maximum of 99.

Step #27 WHAT IS THE DRAWING NUMBER
! !

Step #28 HOW MANY SHEETS OF THIS DRAWING ARE REFERENCED BY THIS E.O.
NN

Enter number of sheets NN (Maximum of 99)

Step #29 WHAT IS THE SHEET NUMBER:
EXAMPLE SHEET #2.1 !02!!10!
! !! !

Repeat this step NN number of times. Repeat Steps #27 thru #29 XX number of times.

Step #30 If number of E.O.'s on a sheet is:
Less than four, go to #34
Five, go to #32
More than five, go to #33

Step #31 A warning message is displayed on the terminal prior to displaying the entire engineering order record. See output section 5.3.1. Go to #34

Step #32 An attention message is displayed on the terminal prior to displaying the entire engineering order record. See output section 5.3.1. Go to #34

Step #33 An important revision action due message is displayed on the terminal prior to displaying the entire engineering order record. See output section 5.3.1. Go to #34

Step #34 IS THERE FURTHER INFORMATION TO BE INPUT (YES OR NO)

If Yes, go to #1
If No, exit INPUT mode.

4.3.2 REVISE MODE

4.3.2.1 DESCRIPTION OF REVISE MODE

The user must have clearance to execute within the REVISE mode; otherwise, an invalid user message will be displayed at the terminal as follows:

SORRY, YOU ARE NOT VALIDATED TO USE THIS MODE.
IF IT IS NECESSARY, PLEASE CONTACT SYSTEM OPERATOR AT EXT. 2621.

This restriction is deemed necessary because the REVISE mode allows a user to revise not only any part or all of a drawing or engineering order, but also to delete the entire record from the subfile in which it is located. The only necessary information needed in order to revise or delete a drawing or engineering order are the Drawing number or E.O. number, respectively.

The REVISE mode may change the revision of a sheet. During this modification, all engineering orders referenced by that drawing sheet are automatically deleted. The REVISE mode may also add new sheets to a drawing.

4.3.2.2 ACTION/RESPONSE DURING REVISE MODE

Step #1 DO YOU WISH THE E.O. OR THE DRAWING FILE (EO OR DRAW)

If EO, go to #2
If DRAW, go to #3

Step #2 PLEASE INPUT THE SPO EO NUMBER OF THE RECORD TO BE REVISED

Enter number; go to #4

Step #3 PLEASE INPUT THE SPO DRAWING NUMBER OF THE RECORD TO BE REVISED
! !

Enter number after skipping one space; go to #4

Step #4 Entire record displayed on terminal when found.

Step #5 IS THIS THE CORRECT RECORD TO BE REVISED OR DELETED (YES OR NO)

If Yes, go to #6
If No, continue search for number. When found repeat Step #4
If not found, exit REVISE mode.

Step #6 IS THIS RECORD TO BE REVISED OR DELETED (REV OR DEL)

If Rev and EO previously selected, go to #7
If Rev and DRAW previously selected, go to #10
If DEL, record DELETED; exit REVISE mode

Step #7 HOW MANY ITEMS DO YOU WISH TO REVISE (MAX OF 6)
X

Enter number X

Step #8 INPUT THE ITEM NUMBER THAT YOU WISH TO REVISE
N

Enter number N

Step #9 Repeat X number of times
Branch to data item N to be revised as shown in Input mode (4.3.1.2 Steps #20 thru #25). Go to #24

Step #10 HOW MANY ITEMS DO YOU WISH TO REVISE (MAX OF 9)
[X]

Enter number X

Step #11 INPUT ITEM NUMBER THAT YOU WISH TO REVISE
[N]

Enter item number N
If N=7, go to #12
If N=8, go to #13
Otherwise, go to #14

Step #12 IS THIS A CORRECTION OF SHEET ITEM: ENTER YES
OR IS THIS A NEW SHEET ENTRY FOR A DRAWING: ENTER NEW

Enter response; go to #14

Step #13 IS THIS A REVISION ENTRY FOR A NEW DRAWING SHEET (YES OR NO)

Note: A No answer indicates a revision item correction.
A Yes answer will delete all E.O.'s for this sheet.
Enter response; go to #14

Step #14 Repeat Step #11 X number of times.
Branch to data item N to be revised.
See INPUT mode (4.3.1.2 Step #2 thru #8).
If N=7, go to #15
If N=8, go to #17
If N=9, go to #19
Otherwise, go to #24

Step #15 SAME AS INPUT MODE (4.3.1.2 STEP #8)

If Yes option selected in Step #12, go to #24
If New option selected in Step #12, go to #16

Step #16 ENTER SHEET NUMBER: EXAMPLE SHEET #2.1 !02!!10!
! !! !

Enter sheet number; go to #24

Step #17 WHAT SHEET IS TO BE REVISED
EXAMPLE: SHEET #2.1 !02!!10!
! !! !

Enter sheet numbers
If first sheet of drawing, go to #24
If not first sheet, go to #18

Step #18 SHEET REVISION: IF NONE, ENTER NC
! !

Enter Revision; go to #24

Step #19 WHAT SHEET NUMBER DO YOU WISH TO REVISE A REFERENCED E.O.
EXAMPLE: SHEET #2.1 !02!!10!
! !! !

Enter sheet numbers

Step #20 All E.O.'s will be displayed with a counter to number each up to 10.

HOW MANY DO YOU WISH TO REVISE
XX

Enter number XX

Step #21 ENTER THE REFERENCED E.O. NUMBER TO BE REVISED
NOTE: MUST BE FROM 1 TO 10.
NN

Enter number NN

Step #22 ENTER REVISED REFERENCED E.O.
! !

Enter EO number
This number will replace the NNth EO listed in Step #20.

Step #23 Repeat steps #21 and #22 XX number of times as indicated in Step #20. Go to #24.

Step #24 Entire record displayed on terminal.

Step #25 CHECK RECORD: IF CORRECT, ENTER (CO)
IF REVISE NEEDED, ENTER (RE)

If CO, exit REVISE mode.
If RE and EO previously selected; go to #7.
If RE and DRAW previously selected, to go #10.

4.3.3 SEARCH MODES

4.3.3.1 DESCRIPTION OF SEARCH MODE

Of the twelve (12) data items within the Drawing subfile, nine (9) are searchable. The resulting outputs from these searches always consists of six (6) data items. See Figure 10. The Engineering Order subfile consists of six (6) item records, of which only two are searchable. The resulting outputs from these two searches consists of up to all six (6) data items. It should be noted that Revision Date is output in place of the E.O. Date when an E.O. has a revision. This allows only the most recent date to be displayed. See Figure 11.

Due to the data base source for drawings coming from Dallas and manual input, three searches have limited capability: System, Section, and Date. The System and Section searches are only usable for those drawings which are manually input. However, some Dallas drawing data will contain this information within the title. Therefore, a title search can be used if either the system or section searches are found unsuccessful. The Date search is also limited in that all Dallas drawing data will have the same date. This date represents the latest information update received from Dallas. Nevertheless, the Date search has the capability of retrieving an entire month's or year's worth of data by entering 00 for the day or month. For example, entering 110078 would result in finding all drawings within the data base in the eleventh month, November, for the year 1978. Likewise, an entry of 000078 would retrieve all documents for the year 1978.

There are two specialized searches: Revision Action Due and Print All. Revision Action Due search finds all drawings containing sheets which reference five or more engineering orders. The Print All search has two options: (1) Output all drawings and their referenced E.O.'s or (2) Output all engineering orders in the data base.

The Vehicle search also has some special qualities. First, the user may search for all drawings related to a certain vehicle, or search for all engineering orders related to a certain vehicle. Secondly, a group of vehicles may be found by using the first and last valid vehicle options. For example, if a user declares the first valid vehicle as 198 and is searching for vehicle number 200. Not only would all records containing vehicle 200 be found, but

also those with number 198S, 199S, and 200S; where S represents all subsequent vehicles. Default for the first valid vehicle number is zero (0); whereas, the last valid vehicle number becomes 999.

Another search also has the drawing and engineering order options. This is the E.O. number search. The user may search the Engineering Order subfile for a specific E.O. number or search the Drawing subfile for all drawings referencing a specific E.O. number. See Figure 12 for an outline of search capabilities.

If many documents are found during a search and it is observed that needed information will soon disappear from the screen, the user may temporarily stop terminal display by depressing the space bar. Terminal display be restarted by depressing the 'Q' key.

SEARCHABLE DRAWING DATA ITEMS

DRAWING SUBFILE	SEARCHABLE	OUTPUT
DRAWING NUMBER	*	*
VENDOR CODE	*	
TITLE	*	*
DATE	*	*
SYSTEM	*	
VEHICLE	*	
SECTION	*	
NUMBER OF SHEETS		
SHEET NUMBER		*
SHEET REVISION		*
NUMBER OF E.O.'s	**	
E.O.'s REFERENCED	*	*

** NUMBER OF E.O.'s CHECKED WHEN PERFORMING A REVISION ACTION DUE SEARCH

FIGURE 10

SEARCHABLE ENGINEERING ORDER DATA ITEMS

	SEARCHABLE	OUTPUT
E.O. NUMBER	*	*
E.O. TITLE		*
E.O. REVISION		*
E.O. DATE		*
E.O. REVISION DATE		*
VEHICLE	*	**

** NOT OUTPUT DURING A VEHICLE SEARCH

FIGURE 11

DRAWING/ENGINEERING ORDER SEARCHES

PARAMETER	SPECIAL NOTATION
DRAWING NUMBER	
DATE	DALLAS DATA ALL ONE DATE
SYSTEM	NOT APPLICABLE WITH DALLAS
SECTION	NOT APPLICABLE WITH DALLAS
VEHICLE	TWO OPTIONS: E.O.'s OR DRAWINGS
VENDOR CODE	
TITLE	**
REVISION ACTION DUE	FIVE (5) OR MORE E.O.'s
ALL	TWO OPTIONS: E.O.'s OR DRAWINGS
E.O. NUMBER	TWO OPTIONS: E.O.'s OR DRAWINGS

** DALLAS DATA TITLES SOMETIMES
CONTAIN SYSTEM AND/OR SECTION

FIGURE 12

4.3.3.2 ACTION/RESPONSE DURING SEARCH MODE

Step #1 YOU ARE VALIDATED TO SEARCH DATA IN THE DRAWING FILE. THE FOLLOWING SEARCH MODES ARE AVAILABLE FOR YOUR USE

MODE	KEY
TITLE	TITLE
DRAWING NUMBER	DRAW
DRAWING DATE	DATE
SYSTEM	SYS
VEHICLE	VEH
SECTION	SECT
VENDOR CODE	CODE
ALL	ALL
REV ACTION DUE	ACT
E.O. NUMBER	EO
QUIT	QUIT

PLEASE SELECT THE DESIRED MODE

Enter key for desired mode

Step #2 If Quit, go to #60
No user reponse

Step #3 DO YOU DESIRE THE OPTIONAL BRIEF OUTPUT.
RECOMMENDED FOR ALL AND ACTION DUE SEARCHES (YES OR NO)

Enter Option: Brief gives faster search response.
See sample outputs Figures 41 and 42.

Step #4 If key selected is TITLE, go to #5
If key selected is ALL, go to #12
If key selected is ACT, go to #20
If key selected is DRAW, go to #25
If key selected is DATE, go to #28
If key selected is SYS, go to #32
If key selected is VEH, go to #36
If key selected is SECT, go to #46
If key selected is CODE, go to #50
If key selected is EO, go to #54

Step #5 HOW MANY WORDS DO YOU WISH TO MATCH (MAX OF 4)

X

Enter Number X

Step #6 WHAT IS THE DESIRED WORD

AAAA

Enter word AAAA; up to 10 characters
If word is Quit, go to #11.

Step #7 As each title is found containing the desired word, the title is displayed on the terminal. Following the last title is displayed a message:

THERE ARE XXX DRAWINGS CONTAINING THE WORD AAAA

Where XXX represents the number of drawings found and AAAA is the desired word entered.

Step #8 Steps #6 and #7 are repeated X number of times from Step #5 unless zero (0) drawings are found. If no drawings are found, go to #11.

Step #9 For all drawings found, drawing data is displayed after the last word is searched. See figure 14.

Step #10 IF YOU WISH TO CONTINUE, DEPRESS THE RETURN KEY

When Return key is used, go to #1.

Step #11 DO YOU WISH TO TRY THE TITLE SEARCH AGAIN (YES OR NO)

If Yes, go to #5
If No, same as #10

Step #12 WHICH PRINT ALL OPTION DO YOU WISH:
DRAWING AND E.O.s (DE)
E.O.'s ONLY (EO)

If DE, go to #13
If EO, go to #16

Step #13 THIS IS THE PRINT ALL ROUTINE
ALL DRAWINGS STORED IN THE DRAW FILE WILL BE SPOOLED AND A TOTAL COUNT OF THE DRAWINGS WILL BE GIVEN

Step #14 Drawing data is displayed on the terminal for each drawing found along with referenced E.O.'s. See Figure 41.

Step #15 THERE ARE XXX DRAWINGS IN THE DRAW FILE

Where XXX represents the number of drawings found. Go to #19.

Step #16 THIS IS THE PRINT ALL ROUTINE
ALL ENGINEERING ORDERS STORED IN THE EO FILE WILL BE SPOOLED AND A TOTAL COUNT OF THE DRAWINGS WILL BE GIVEN

Step #17 Engineering order data is displayed on the terminal for each EO found. See Figure 42.

Step #18 THERE ARE XXX E.O.'s IN THE EO SUBFILE

Where XXX represents the number of engineering orders found. Go to #18.

Step #19 Output file is automatically spooled to the high speed printer; exit the SEARCH mode.

Step #20 THIS IS THE REVISION ACTION DUE SEARCH ROUTINE
ALL DRAWINGS WITH FIVE (5) OR MORE E.O.'s ARE FOUND AND SPOOLED

Step #21 Drawing data is displayed on the terminal for each drawing sheet found See Figure 41.

Step #22 THERE ARE XXX DRAWINGS WITH A TOTAL OF NNN SHEET(S) IN THE DRAWING SUBFILE WHICH MUST BE REVISED

Where XXX represents the number of drawings found and NNN represents the number sheets found.

Step #23 If no drawings are found, go to #24. If drawings are found, output file is automatically spooled to the high speed printer; exit the SEARCH mode.

Step #24 Go to #10

Step #25 WHAT IS THE DESIRED DRAWING NUMBER
NNNN

Enter number NNNN; 14 characters.

Step #26a Drawing data is displayed on the terminal along with referenced E.O.'s. See Figure 41.

Step #26b If not found, the following message is displayed:

THERE IS NO DRAWING WITH NUMBER NNNN IN THE DRAWING FILE

Where NNNN represents the drawing number entered for the search.

Step #27 Go to #10

Step #28 WHAT IS THE DATE THAT YOU WANT
!MMDDYY!

Enter date; month, day, and year after skipping one space.

Step #29 Drawing data is displayed on the terminal for each drawing found along with referenced E.O.'s. See Figure 41.

Step #30 THERE ARE XXX DRAWINGS WITH A DATE OF MM-DD-YY

Where XXX represents the number of drawings found and MMDDYY represents the date entered for the search.

Step #31 Go to #10

Step #32 WHAT IS THE DESIRED SYSTEM
(ELEC,GSE,GUID,MECH,PROP,RF,SOP,MGS,EGS,PERF)
AAAA

Enter system AAAA; up to 12 characters

Step #33 Drawing data is displayed on the terminal for each drawing found along with referenced E.O.'s. See Figure 41.

Step #34 THERE ARE XXX DRAWINGS WITH A SYSTEM OF AAAA.

Where XXX represents the number of drawings found and AAAA represents the system entered for the search.

Step #35 Go to #10

Step #36 WHAT IS THE DESIRED VEHICLE NUMBER
NNN

Enter vehicle number NNN

Step #37 WHAT IS THE FIRST VALID VEHICLE NUMBER

Enter number. If information on a specific vehicle is desired, enter the same vehicle as in Step #36.

Step #38 WHAT IS THE LAST VALID VEHICLE NUMBER
NOTE: THE DEFAULT IS VEHICLE 999.

Enter number. If information on a specific vehicle is desired, enter the same vehicle as in Step #36.

Step #39 DO YOU WISH A LIST OF ALL E.O.'S FOR A SPECIFIC VEHICLE:
ENTER EO
OR A LIST OF DRAWINGS RELATED TO SPECIFIC VEHICLE:
ENTER DR

If EO, go to #43
If DR, go to #40

Step #40 Drawing data is displayed on the terminal for each drawing found along with referenced E.O.'s. See Figure 41.

Step #41 THERE ARE XXX DRAWINGS RELATING TO VEHICLE NNN

Where XXX represents the number of drawings found and NNN represents the vehicle number entered for the search.

Step #42 Go to #10

Step #43 Engineering order data is displayed on the terminal for each EO found. See Figure 43.

Step #44 THERE ARE XXX E.O.'S RELATED TO VEHICLE NNN

Where XXX represents the number of engineering orders found and NNN represents the vehicle number entered for the search.

Step #45 Go to #10

Step #46 WHAT IS THE DESIRED SECTION

E SECT	UPPER B	LOWER B	ALCYONE IA	ALCYONE IIA
G SECT	UPPER C	LOWER C	ALGOL IIA	ALGOL IIIA
EG SECT	UPPER D	LOWER D	ANTARES IIA	ANTARES IIIA
BASE A	UPPER F	LOWER F	ALTAIR IIIA	CASTOR IIA
	H/S 34/-24	H/S 34/-40	H/S 42/-45	

AAAA

Enter section AAAA; up to 12 characters.

Step #47 Drawing data is displayed on the terminal for each drawing found along with referenced E.O.'s. See Figure 41.

Step #48 THERE ARE XXX DRAWINGS RELATED TO SECTION AAAA

Where XXX represents the number of drawings found and AAA represents the section entered for the search.

Step #49 Go to #10

Step #50 WHAT IS THE DESIRED VENDOR CODE
AAA

Enter vendor code AAA.

Step #51 Drawing data is displayed on the terminal for each drawing found along with referenced E.O.'s. See Figure 41.

Step #52 THERE ARE XXX DRAWINGS WITH THE SPECIFIED VENDOR CODE AAA

Where XXX represents the number of drawings found and AAA represents the vendor code entered for the search.

Step #53 Go to #10

Step #54 WHAT IS THE DESIRED E.O. NUMBER
NNNNNN

Enter number NNNNNN

Step #55 DO YOU DESIRE THE E.O. FILE SEARCH (EO)
OR ALL DRAWINGS USING THIS E.O. (DR)

If EO, go to #56.
If DR, go to #58.

Step #56a Engineering order data is displayed on the terminal when EO number is found. See figure 42.

Step #56b If not found, the following message is displayed:

THERE IS NO E.O. NNNNNN IN THE EO SUBFILE

Where NNNNNN represents the engineering order number entered for the search.

Step #57 Go to #10

Step #58 THERE ARE XXX DRAWINGS WITH A TOTAL OF NNN SHEET(S) IN THE DRAWING SUBFILE WHICH REFERENCES E.O.
NNNNNN

Where XXX represents the number of drawings found, NNN represents the number of sheets found, and NNNNNN represents the engineering order number entered for the search.

Step #59 Go to #10

Step #60 DO YOU WANT A HARD COPY OF THE INFORMATION FOUND

If Yes, output spooled to printer.
See section 5.3.2 for outputs.

Step #61 Exit SEARCH mode.

4.3.4 ARCHIVE MODE

4.3.4.1 DESCRIPTION OF ARCHIVE MODE

The user must be validated to execute in the ARCHIVE mode. If not properly logged, an invalid user message will be displayed on the terminal as follows:

> SORRY, YOU ARE NOT VALIDATED TO USE THIS MODE. IF IT IS NECESSARY, PLEASE CONTACT SYSTEM OPERATOR AT EXT. 2621.

The only necessary information needed in order to archive a drawing is the Drawing number. The user may also designate how many drawings are to be archived at one session. Engineering orders which are unreferenced by any drawings are automatically archived. When the Drawing or E.O. has been archived, the user is automatically returned to the program mode selection level as shown below. For more details see sections 2.2 or 2.3.

```
PLEASE CHOSE ONE OF THE FOLLOWING
MODE                KEY
INPUT               INP
REVISE              REV
SEARCH              SEA
ARCHIVE             ARC
QUIT                QUIT
```

4.3.4.2 ACTION/RESPONSE DURING ARCHIVE MODE

Step #1 DO YOU WISH TO ARCHIVE DRAWINGS OR E.O.'s (DR OR EO)

If DR, go to #2
If EO, go to #5

Step #2 WELCOME TO THE DRAWING FILE ARCHIVE ROUTINE.
HOW MANY DRAWINGS DO YOU WISH TO ARCHIVE
XX

Enter number XX

Step #3 WHAT IS THE DRAWING NUMBER OF THE DRAWING YOU WISH TO ARCHIVE

Enter number; 14 characters.

Step #4 Pause for system housekeeping to be completed. Repeat Step #3 XX number of times. Go to #7.

Step #5 PLEASE STAND BY. SYSTEM IS NOW ARCHIVING UNREFERENCED E.O.'S

No user response required.

Step #6 As each E.O.'s is archived the following message is displayed on the terminal:

E.O. NNNNNN HAS BEEN ARCHIVED.

Where NNNNNN represents the engineering order number.

Step #7 Exit ARCHIVE mode when done.

5.0 MAIL LOG OUTPUTS

Outputs produced during operation in the MAIL LOG program can be placed into two categories: Terminal and Printer. Terminal and printer outputs may consist of special printed listings of data records found during the SEARCH modes. Terminal outputs may also consist of important status messages to the user during the INPUT mode. Other printer outputs consist of special printed listings of data records entered during the INPUT mode. Figures 13 thru 56 show all basic forms of MAIL LOG outputs.

5.1 CORRESPONDENCE - OUTPUT FORMATS

Outputs produced while operating within the daily correspondence subfile may result during two modes: INPUT and SEARCH.

5.1.1 INPUT MODE FOR CORRESPONDENCE

Output resulting from the INPUT mode is a special listing of new document records entered during the daily input session. The high speed printer output documents are stored according to mail status. This output can be given in two optional forms:

(1) A complete data record listing
See Figure 13.

(2) A brief or partial data record listing
See Figure 14.

CORRESPONDENCE INPUT

COMPLETE OUTPUT

```
**********************************************************************************************************************
                        VOUGHT/DALLAS CORRESPONDENCE                    INPUT DATE  12- 6-78
SUBJECT                                                                          DOCUMENT DATE    FILE SYSTEM CODE
AUTHOR/SOURCE                   TO                                      ROUTING                   TYPE/LETTER NUMBER
ACTION DUE DATE                 WA NUMBER/ID CODE                       CONTRACT NUMBER
NASA RESPONSIBLE ENGINEER(S)
REFERENCE DOCUMENT NUMBER(S)
DESCRIPTION OF TRANSMITTAL OR SPECIFICATION
**********************************************************************************************************************

1. AGENDA CCB MEETING 12/7/78                                                    12- 6-78                  /
   BEAN, J.                     DEARING, J. D.                          JDD/   /   /   /   /          MFX D-1
    0- 0- 0
   JDD
   NONE

2. REVIEW SAI DOCUMENTATION                                                      12- 5-78      650.5       /
   MACHALA, C. F.               GUTHRIE, D. E.                          SJA/DEG/JVC/   /   /          MFX D-4
    0- 0- 0
   DEG
   NONE

3. TASK-R-105 SPECIAL INSTRUMENTATION KITS ANTARES III                           12- 5-78      682/R       /
   YOUNG, H. G.                 OWENS, A. A.                            CSL/SJA/JBT/DMF/AAO/          MFX
    0- 0- 0                     3526                                     NAS1-15100
   CSL
   NONE

4. REQUEST CHANGE PACKAGE APPROVAL                                               12- 5-78      409.1       /
   URASH, R. G.                 FOSTER, L. R.; WINTERS, C. W.           CWW/JDD/RDS/   /   /          2-94000/8T-203
   12-20-78                     3525GS                                   NAS1-15000
   JDD
   2-94000/8T-192

5. APPROVAL MINUTES 55TH-SCOUT RELIABILITY REVIEW MEETING                        12- 6-78      407.1       /
   EVERHART, P. E.              VC, NAVPRO, REMO, WTR, WFC              PEE/AAO/JVC/SJA/RPP/          S-4465/PEE
    0- 0- 0                     3525FR                                   NAS1-15000
   PEE
   2-94000/8L-4299
```

FIGURE 13

CORRESPONDENCE INPUT

COMPLETE OUTPUT

```
**********************************************************************************************************************
                                INCOMING MAIL                          INPUT DATE  12- 6-78
SUBJECT                          /                                                DOCUMENT DATE   FILE SYSTEM CODE
AUTHOR/SOURCE                    TO                                     ROUTING                   TYPE/LETTER NUMBER
ACTION DUE DATE                  WA NUMBER/ID CODE                      CONTRACT NUMBER
NASA RESPONSIBLE ENGINEER(S)
REFERENCE DOCUMENT NUMBER(S)
DESCRIPTION OF TRANSMITTAL OR SPECIFICATION
**********************************************************************************************************************

1. SCOUT/WFC FIELD OPERATIONS DAILY WORK SCHEDULE 12/6/78                                  12- 6-78     405.10     /
   DAWSON, C. M.                 WINTERS, C. W.; DUNCAN, DEARING      ALL/   /   /      /   /        MFX
    0- 0- 0                      3525FR                               NAS1-15000
   CWW
   NONE


2. VC/VAFB OPERATIONS DAILY WORK SCHEDULE 12/6/78                                         12- 6-78     403.9      /
   HALE, C. F.                   WINTERS, C. W.; DEARING, J. D.       CWW/JDD/JBT/   /   /        MFX
    0- 0- 0                      3525FR                               NAS1-15000
   JDD
   NONE


3. VC/WFC DAILY STATUS VEHICLE S-202C                                                     12- 6-78     131-202    /
   DAWSON, C. M.                 AILOR, S. J.                         ALL/   /   /      /   /        MFX 820/FDC
    0- 0- 0                      3525FR                               NAS1-15000
   JA
   NONE


4. RESEARCH & TECHNOLOGY ANNUAL REPORT                                                    11- 7-78     405.1      /
   KRIEGER, R. L.   WFC          NASA-HDQTS.; SPO                     LRF/   /   /      /   /        LETTER
    0- 0- 0
   LRF
   NONE


5. LIST JOB-ORDERS CLOSED EFFECTIVE PAY-PERIOD ENDING 12/2/78                             12- 1-78     509.4.1    /
   WILSON, J. H.                 SPO                                  NHT/AY /DEF/   /   /        MEMO
    0- 0- 0
   LRF
   NONE
```

FIGURE 13

CORRESPONDENCE INPUT COMPLETE OUTPUT

```
**********************************************************************************************************************
                          INCOMING MAIL                                  INPUT DATE  12- 6-78
SUBJECT                                                                            DOCUMENT DATE   FILE SYSTEM CODE
AUTHOR/SOURCE              TO                                  ROUTING                              TYPE/LETTER NUMBER
ACTION DUE DATE            WA NUMBER/ID CODE                   CONTRACT NUMBER
NASA RESPONSIBLE ENGINEER(S)
REFERENCE DOCUMENT NUMBER(S)
DESCRIPTION OF TRANSMITTAL OR SPECIFICATION
**********************************************************************************************************************

6. NAS1-11859 REQUEST MODIFICATION ESTIMATED COST $10692                                    11-17-78     652.8     /
   OCHS, F. I.   THIOKOL CORP.     SPO                  AAO/JVC/BEQ/    /   /             CA-FO-1312-1410CCN
    0- 0- 0                                             NAS1-11859
   AAO
   NONE

7. CSC PROPOSAL 78-8078 ENVIRONMENTAL CONTROL ALGOL-III ROCKET-MTS                          11-30-78     652.6.1.8 /
   ROBERTS, E.   CSD               SPO                  AAO/JVC/BEQ/    /   /             ER271-78
    0- 0- 0                                             NAS1-14619
   AAO
   S-4439/PEE

8. SCOUT PROJECT MANAGEMENT REPORT                                                          11-30-78     576       /
   OVERMAN, B. L.                  SPO                  ALL/   /   /    /   /             REPORT
    0- 0- 0
   LRF
   NONE

9. AUTHORIZATION SHIPMENT REMOVAL BONDED STORES GOVERNMENT PROPERTY                          12- 1-78     514.2.1   /
   YAMAMOTO, A.    REMO            NAVPRO, SPO          SJA/DCM/JDD/    /   /             MEMO
    0- 0- 0                                             NAS1-15000
   SJA
   NONE
   SHIPMENT   BOLT       CUTTERS    SQUIBS
```


FIGURE 13

CORRESPONDENCE INPUT

COMPLETE OUTPUT

```
**********************************************************************************************************************
                              OUTGOING MAIL                                INPUT DATE  12- 5-78
SUBJECT                                                                          DOCUMENT DATE   FILE SYSTEM CODE
AUTHOR/SOURCE                  TO                                        ROUTING                  TYPE/LETTER NUMBER
ACTION DUE DATE                WA NUMBER/ID CODE                         CONTRACT NUMBER
NASA RESPONSIBLE ENGINEER(S)
REFERENCE DOCUMENT NUMBER(S)
DESCRIPTION OF TRANSMITTAL OR SPECIFICATION
**********************************************************************************************************************

1. DATA PRINTER RIBBONS MODIFICATION PR 8300.0833                                      12- 5-78     115.2     /
   KEYNTON, R. J.              CANNON, L.   PROC.                  RJK/   /   /   /   /          MEMO
    0- 0- 0
   RJK
   PR8300.0833
```


FIGURE 13

CORRESPONDENCE INPUT

BRIEF OUTPUT

VOUGHT/DALLAS CORRESPONDENCE — INPUT DATE 12- 6-78

	SUBJECT / AUTHOR/SOURCE	TO	ROUTING	DOCUMENT DATE	FILE SYSTEM CODE TYPE/LETTER NUMBER
1.	AGENDA CCB MEETING 12/7/78 BEAN, J.	QEARING, J. D.	JDD/ / / / /	12- 6-78	/ MFX D-1
2.	REVIEW SAI DOCUMENTATION MACHALA, C. F.	GUTHRIE, D. E.	SJA/DEG/JVC/ / /	12- 5-78	650.5 / MFX D-4
3.	TASK-R-105 SPECIAL INSTRUMENTATION KITS ANTARES III YOUNG, H. G.	OWENS, A. A.	CSL/SJA/JBT/DMF/AAO/	12- 5-78	692/R / MFX
4.	REQUEST CHANGE PACKAGE APPROVAL URASH, R. G.	FOSTER, L. R.; WINTERS, C. W.	CWW/JDD/RDS/ / /	12- 5-78	409.1 / 2-94000/8T-203
5.	APPROVAL MINUTES 55TH-SCOUT RELIABILITY REVIEW MEETING EVERHART, P. E.	VC, NAVPRO, REMO, WTR, WFC	PEE/AAO/JVC/SJA/RPP/	12- 6-78	407.1 / S-4465/PEE

FIGURE 14

CORRESPONDENCE INPUT BRIEF OUTPUT

INCOMING MAIL INPUT DATE 12- 6-78

	SUBJECT / AUTHOR/SOURCE	TO	ROUTING	DOCUMENT DATE	FILE SYSTEM CODE TYPE/LETTER NUMBER
1.	SCOUT/WFC FIELD OPERATIONS DAILY WORK SCHEDULE 12/6/78 DAWSON, C. M.	WINTERS, C. W.; DUNCAN, DEARING	ALL/ / /	12- 6-78 / /	405.10 / MFX
2.	VC/VAFB OPERATIONS DAILY WORK SCHEDULE 12/6/78 HALE, C. F.	WINTERS, C. W.; DEARING, J. D.	CWW/JDD/JBT/	12- 6-78 / /	403.9 / MFX
3.	VC/WFC DAILY STATUS VEHICLE S-202C DAWSON, C. M.	AILOR, S. J.	ALL/ / /	12- 6-78 / /	131-202 / MFX 820/FDC
4.	RESEARCH & TECHNOLOGY ANNUAL REPORT KRIEGER, R. L. WFC	NASA-HDQTS.; SPO	LRF/ / /	11- 7-78 / /	405.1 / LETTER
5.	LIST JOB-ORDERS CLOSED EFFECTIVE PAY-PERIOD ENDING 12/2/78 WILSON, J. H.	SPO	NHT/AY /DEF/	12- 1-78 / /	509.4.1 / MEMO
6.	NAS1-11859 REQUEST MODIFICATION ESTIMATED COST $10692 OCHS, F. I. THIOKOL CORP.	SPO	AAO/JVC/BEQ/	11-17-78 / /	652.8 / CA-FO-1312-1410CCN
7.	CSD PROPOSAL 78-8078 ENVIRONMENTAL CONTROL ALGOL-III ROCKET-MTS ROBERTS, E. CSD	SPO	AAO/JVC/BEQ/	11-30-78 / /	652.6.1.8 / ER271-78
8.	SCOUT PROJECT MANAGEMENT REPORT OVERMAN, B. L.	SPO	ALL/ / /	11-30-78 / /	576 / REPORT
9.	AUTHORIZATION SHIPMENT REMOVAL BONDED STORES GOVERNMENT PROPERTY YAMAMOTO, A. REMO	NAVPRO, SPO	SJA/DCM/JDD/	12- 1-78 / /	514.2.1 / MEMO

FIGURE 14

CORRESPONDENCE INPUT BRIEF OUTPUT

OUTGOING MAIL INPUT DATE 12- 6-78

SUBJECT . DOCUMENT DATE FILE SYSTEM CODE

AUTHOR/SOURCE TO ROUTING TYPE/LETTER NUMBER

1. DATA PRINTER RIBBONS MODIFICATION PR 8300.0833 12- 5-78 115.2 /
KEYNTON, R. J. CANNON, L. PROC. RJK/ / / / / MEMO

FIGURE 14

5.1.2 SEARCH MODE FOR CORRESPONDENCE

Outputs resulting from the SEARCH mode are a special listing of document records found containing a desired data item. These outputs are printed on the user terminal and on the high speed printer. All outputs contain a header indicating the data item being searched and a description of the other data items to be displayed.

The Print All search displays data items common to all search outputs: subject, document/letter number, file system code, input date, and the daily counter code. See Figures 15 and 16.

The Action Due search displays two additional data items in its outputs: responsible engineer and action due date. See Figures 37 and 38.

The remaining search outputs display one additional data item; the referenced documents. If there are no referenced documents, NONE is printed. See Figures 17 thru 36.

CORRESPONDENCE

PRINT ALL SEARCH

TERMINAL OUTPUT

```
**********************************************************************
*                                PRINT ALL                           *
*                                                                    *
* SUBJECT                                                            *
* TYPE/LETTER NUMBER     FILE SYSTEM CODE        INPUT DATE-CODE     *
**********************************************************************

ESTABLISHM  LAMINR  FLOW-CONTR  AIRFOIL EXPERIMENT  OFFICE
ANNOUNCE #29-78          545.2      /                 8-21-78    20

FEDERAL WAGE  SYSTEM  REVISED REGULAR WAGE-RATE SCHEDULE
ANNOUNCE #27-78          545.2      /                 8-24-78    26

GATE  TRAFFIC CHANGE
ANNOUNCE 30-78           545.2      /                 8-25-78    18

NEW-POSTAL  SERVICE MAIL-SIZE STANDARDS
ANNOUNCE #31-78          545.2      /                 9- 1-78    19

PEDESTRIANCS RIGHT OF-WAY MARKED CROSSWALKS
ANNOUNCE 32-78           545.2      /                 9- 6-78    10

CHANGE PERSONNEL ASSIGNMENT SPACE SYSTEMS DIVISION
ANNOUNCE #34-78          545.2      /                 9-20-78    19

STATE CENTER ADDRESS
ANNOUNCE #33-78          545.2      /                 9-20-78    22

NASA-WIDE PROGRAM STANDARDIZE PAPER SIZE
ANNOUNCE #35-78          545.2      /                 9-22-78    11

ANNUAL HONOR AWARDS CEREMONY 11/9/78
ANNOUNCE #36-78          545.2      /                 9-28-78     9

CHANGES PERSONNEL ASSIGNMENTS PROJECTS DIRECTORATE
ANNOUNCE #38-78          545.2      /                10- 3-78    19

PLANS CLOSING CENTER FACILITIES DURING THANKSGIVING CHRISTMAS
ANNOUNCE #37-78          545.2      /                10- 3-78    20

CHANGE PERSONNEL ASSIGNMENT OFFICE DIRECTOR
ANNOUNCE #40-78          545.2      /                10-31-78    16

GATE TRAFFIC CHANGE
ANNOUNCE #41-78          545.2      /                11- 2-78    24

REPORTING FOREIGN GIFTS DECORATIONS INCLUDING TRAVEL NMI1030.1B
ANNOUNCE #42-78          545.2      /                11- 8-78    17

CHANGES ORGANIZATION PERSONNEL ASSIGNMENTS WITHIN PROCUREMENT DIVISION
ANNOUNCE # 44-78         545.2      /                11-16-78     8
```

FIGURE 15

CORRESPONDENCE: PRINT ALL SEARCH: PRINTER OUTPUT

11: 50 11/30/78

PRINT ALL

SUBJECT	TYPE/LETTER NUMBER	FILE SYSTEM CODE		DATE-CODE
1.ESTABLISHM LAMINR FLOW-CONTR AIRFOIL EXPERIMENT OFFICE	ANNOUNCE #29-78	545.2	/	82178 20
2.FEDERAL WAGE SYSTEM REVISED REGULAR WAGE-RATE SCHEDULE	ANNOUNCE #27-78	545.2	/	82478 26
3.GATE TRAFFIC CHANGE	ANNOUNCE 30-78	545.2	/	82578 18
4.NEW-POSTAL SERVICE MAIL-SIZE STANDARDS	ANNOUNCE #31-78	545.2	/	9 178 19
5.PEDESTRIANCS RIGHT OF-WAY MARKED CROSSWALKS	ANNOUNCE 32-78	545.2	/	9 678 10
6.CHANGE PERSONNEL ASSIGNMENT SPACE SYSTEMS DIVISION	ANNOUNCE #34-78	545.2	/	92078 19
7.STATE CENTER ADDRESS	ANNOUNCE #33-78	545.2	/	92078 22
8.NASA-WIDE PROGRAM STANDARDIZE PAPER SIZE	ANNOUNCE #35-78	545.2	/	92278 11
9.ANNUAL HONOR AWARDS CEREMONY 11/9/78	ANNOUNCE #36-78	545.2	/	92878 9
10.CHANGES PERSONNEL ASSIGNMENTS PROJECTS DIRECTORATE	ANNOUNCE #38-78	545.2	/	10 378 19
11.PLANS CLOSING CENTER FACILITIES DURING THANKSGIVING CHRISTMAS	ANNOUNCE #37-78	545.2	/	10 378 20
12.CHANGE PERSONNEL ASSIGNMENT OFFICE DIRECTOR	ANNOUNCE #40-78	545.2	/	103178 16
13.GATE TRAFFIC CHANGE	ANNOUNCE #41-78	545.2	/	11 278 24
14.REPORTING FOREIGN GIFTS DECORATIONS INCLUDING TRAVEL NMI1030.1B	ANNOUNCE #42-78	545.2	/	11 878 17
15.CHANGES ORGANIZATION PERSONNEL ASSIGNMENTS WITHIN PROCUREMENT DIVISION	ANNOUNCE # 44-78	545.2	/	111678 8

FIGURE 16

CORRESPONDENCE

NASA RESPONSIBLE ENGINEER SEARCH

TERMINAL OUTPUT

```
**************************************************************************
*                    NASA RESPONSIBLE ENGINEER:  RJK                     *
* SUBJECT                                                                *
* TYPE/LETTER NUMBER     FILE SYSTEM CODE        INPUT DATE-CODE         *
* REFERENCED DOCUMENTS                                                   *
**************************************************************************

 PREPARE OPERATING INSTRUCTIO  PROGRAMMER  MANUAL  ANALYSIS  II
 8300.0805                115.2      /              8- 3-78   31
 NONE

 MAINTENANCE SERVICE COMPUTER EQUIPMENT ONE-YEAR CONTRACT
 8300.0815                115.2      /              9-18-78   52
 NONE

 TERMINAL RIBBONS SPADS PRINTER
 8300.0816                115.2      /              9-18-78   53
 NONE

 PURCHASE SPACE MASTER MICROFICHE READER PRINTER 102610
 8300.0825                523.3.1    /              10-10-78  34
 NONE

 PROVIDE ADDITIONAL FUNDS HTC
 8300.0826                115.2      /              10-12-78  17
 NONE

 REPAIR DATAGRAPHIX TERMINAL
 8300.0829                115.2      /              10-13-78  24
 NONE

 LINE PRINTER RIBBON DATA PRINTER
 8300.0833                115.2      /              10-30-78  20
 NONE

THERE ARE          7 DOCUMENTS WITH A RESPONSIBLE ENGINEER OF RJK
```

FIGURE 17

CORRESPONDENCE: NASA RESPONSIBLE ENGINEER SEARCH: PRINTER OUTPUT

12: 23 11/30/78

NASA RESPONSIBLE ENGINEER: RJK

SUBJECT / REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE		DATE-CODE
1.PREPARE OPERATING INSTRUCTIO PROGRAMMER MANUAL ANALYSIS II NONE	8300.0805	115.2	/	8 378 31
2.MAINTENANCE SERVICE COMPUTER EQUIPMENT ONE-YEAR CONTRACT NONE	8300.0815	115.2	/	91878 52
3.TERMINAL RIBBONS SPADS PRINTER NONE	8300.0816	115.2	/	91878 53
4.PURCHASE SPACE MASTER MICROFICHE READER PRINTER 102610 NONE	8300.0825	523.3.1	/	101878 34
5.PROVIDE ADDITIONAL FUNDS HTC NONE	8300.0826	115.2	/	101278 17
6.REPAIR DATAGRAPHIX TERMINAL NONE	8300.0829	115.2	/	101378 24
7.LINE PRINTER RIBBON DATA PRINTER NONE	8300.0833	115.2	/	103078 20

FIGURE 18

CORRESPONDENCE

WHO TO SEARCH

TERMINAL OUTPUT

```
**********************************************************************************
*                      WHO TO:  REW, W. E.                                       *
* SUBJECT                                                                        *
* TYPE/LETTER NUMBER      FILE SYSTEM CODE         INPUT DATE-CODE               *
* REFERENCED DOCUMENTS                                                           *
**********************************************************************************

  PROPOSED  MODIFICATI  2 ADDITIONAL  TECHNICAL SUPPORT
  MEMO #454              652.6.1.8 /                 8-30-78     7
  CST PRO 78-8062

  PROPOSED MODIFICATION MANUFACTURING NOZZLE INSERT BILLETS
  MEMO #455              621.6     /                 9- 8-78    30
  NONE

  TASK-ASSGN #5 ADDITIONAL EFFORT PERIOD PERFORMANCE EXTENSION
  MEMO #456              648.5.1   /                 9-12-78    16
  NONE

  L-68203A HAAP STORAGE FACILITIES ROCKET MOTORS REQ-EXTEN
  MEMO #457              1830      /                 9-19-78    17
  NONE

  REVISED PROPOSAL CASTOR-IIA ROCKET MOTORS ASSOCIATED EFFORT
  MEMO #458              683.6.1.8 /                 9-19-78    18
  V19000/8NAS-328

  PROCUREMENT ADDITIONAL ALTAIR-III ROCKET MOTOR
  MEMO #459              683.6.1.8 /                 9-20-78    24
  V19000/8NAS-327

  SCOUT GUIDNACE SYSTEM
  MEMO #460              681.6.1.8 /                 9-20-78    25
  2-65000/8L-113

 THERE ARE     7 DOCUMENTS WITH AN ADDRESSEE OF
REW, W. E.
```

FIGURE 19

CORRESPONDENCE: WHO TO SEARCH: PRINTER OUTPUT

13: 9 11/30/78

WHO TO: RFW, W. E.

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE	DATE-CODE
1.PROPOSED MODIFICATI 2 ADDITIONAL TECHNICAL SUPPORT CSD PRO 78-8062	MEMO #454	652.6.1.8 /	83078 7
2.PROPOSED MODIFICATION MANUFACTURING NOZZLE INSERT BILLETS NONE	MEMO #455	621.6 /	9 878 30
3.TASK-ASSGN #5 ADDITIONAL EFFORT PERIOD PERFORMANCE EXTENSION NONE	MEMO #456	648.5.1 /	91278 16
4.L-68203A HAAP STORAGE FACILITIES ROCKET MOTORS REQ-EXTEN NONE	MEMO #457	1830 /	91578 17
5.REVISED PROPOSAL CASTOR-IIA ROCKET MOTORS ASSOCIATED EFFORT V19000/8NAS-328	MEMO #458	683.6.1.8 /	91978 18
6.PROCUREMENT ADDITIONAL ALTAIR-III ROCKET MOTOR V19000/8NAS-327	MEMO #459	683.6.1.8 /	92078 24
7.SCOUT GUIDNACE SYSTEM 2-65000/8L-113	MEMO #460	681.6.1.8 /	92078 25

FIGURE 20

CORRESPONDENCE

DOCUMENT DATE SEARCH

TERMINAL OUTPUT

```
**********************************************************************************
*                              DOCUMENT DATE:  11- 0-78                          *
* SUBJECT                                                                        *
* TYPE/LETTER NUMBER      FILE SYSTEM CODE        INPUT DATE-CODE                *
* REFERENCED DOCUMENTS                                                           *
**********************************************************************************

 SCOUT PROJECT MANAGEMENT REPORT
 REPORT                  576       /              11- 7-78   13
 NONE

 FLIGHT PROJECTS DIRECT MANPOWER
 REPORT                  540.1     /              11-21-78   18
 NONE

 RESOURCES AUTHORITY WARRANT LRC-MSO PERSONNEL VAFB FY-1979
 R. A. W. FORM506A       509.2     /              11-29-78   19
 NONE

THERE ARE         3 DOCUMENTS WITH A DOCUMENT DATE OF 11- 0-78
```

FIGURE 21

CORRESPONDENCE: DOCUMENT DATE SEARCH: PRINTER OUTPUT

12: 53 11/30/78

DOCUMENT DATE: 11- 0-78

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE	DATE-CODE
1.SCOUT PROJECT MANAGEMENT REPORT NONE	REPORT	576 /	11 778 13
2.FLIGHT PROJECTS DIRECT MANPOWER NONE	REPORT	540.1 /	112178 18
3.RESOURCES AUTHORITY WARRANT LRC-MSO PERSONNEL VAFB FY-1979 NONE	R. A. W. FORM506A	509.2 /	112978 19

FIGURE 22

CORRESPONDENCE

CONTRACT NUMBER SEARCH

TERMINAL OUTPUT

```
**********************************************************************
*                        CONTRACT NUMBER:  NAS1-15100                *
*                                                                    *
* SUBJECT
* TYPE/LETTER NUMBER      FILE SYSTEM CODE        INPUT DATE-CODE    *
* REFERENCED DOCUMENTS                                               *
**********************************************************************

 TRANSMITTAL EO-51158 (EGSE) REL-SPEC 305-459 APPROVAL
 2-94000/8L-4190          682.4.2   /                 11- 2-78   14
 NONE

 FINANCIAL MANAGEMENT REPORT REFLECTING EXPENDITURES THROUGH 10/1/78
 2-65000/8L-150           682.11.5  /                 11- 2-78   19
 NONE

 TASK-R-120 ALGOL-IIC MOTOR SHELF-LIFE EXTENSION FLIGHT WORTHINESS
 SL-3660/AAO              682/R     /                 11- 2-78    5
 NONE

 TASK-R-18 APPROVAL SEI-4278  STORAGE BASE-10 PCM-SIGNAL CONDITIONING
 S-4422/CSL               302.7     /                 11- 2-78    7
 2-94000/8L-4117

 TASK-R-90 APPROVAL TASK SUMMARY BURST COUPON TEST
 S-4425/DEG               682.5.1   /                 11- 2-78    8
 2-94000/8L-4140

 TASK-R-44 APPROVAL THIOKOL ANTARES III DOCUMENT TEST-PLAN
 S-4426/DEG               682.15.3  /                 11- 2-78    9
 2-94000/8L-4139

 TASK-R-90 APPROVAL 23DIR2071 RESULTS BURST COUPON TESTS
 S-4427/DEG               302.2     /                 11- 2-78   10
 2-94000/8L-4136

THERE ARE          7 DOCUMENTS WITH A CONTRACT NUMBER OF NAS1-15100
```

FIGURE 23

CORRESPONDENCE: CONTRACT NUMBER SEARCH: PRINTER OUTPUT

12: 27 11/30/78

CONTRACT NUMBER: NAS1-15100

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE	DATE-CODE
1.TRANSMITTAL FO-51158 (EGSE) REL-SPEC 305-459 APPROVAL NONE	2-94000/8L-4190	682.4.2 /	11 278 14
2.FINANCIAL MANAGEMENT REPORT REFLECTING EXPENDITURES THROUGH 10/1/78 NONE	2-65000/8L-150	682.11.5 /	11 278 19
3.TASK-R-120 ALGOL-IIC MOTOR SHELF-LIFE EXTENSION FLIGHT WORTHINESS NONE	SL-3660/AAO	682/R /	11 278 5
4.TASK-R-18 APPROVAL SEI-4278 STORAGE BASE-10 PCM-SIGNAL CONDITIONING 2-94000/8L-4117	S-4422/CSL	302.7 /	11 278 7
5.TASK-R-90 APPROVAL TASK SUMMARY BURST COUPON TEST 2-94000/8L-4140	S-4425/DEG	682.5.1 /	11 278 8
6.TASK-R-44 APPROVAL THIOKOL ANTARES III DOCUMENT TEST-PLAN 2-94000/8L-4139	S-4426/DEG	682.15.3 /	11 278 9
7.TASK-R-90 APPROVAL 23DIR2071 RESULTS BURST COUPON TESTS 2-94000/8L-4136	S-4427/DEG	302.2 /	11 278 10

FIGURE 24

CORRESPONDENCE

W.A. NUMBER/ID CODE SEARCH

TERMINAL OUTPUT

```
**********************************************************************
*                          W.A. NUMBER/ID CODE:. 3525                *
* SUBJECT                                                            *
* TYPE/LETTER NUMBER      FILE SYSTEM CODE        INPUT DATE-CODE    *
* REFERENCED DOCUMENTS                                               *
**********************************************************************

 TRANSMITTAL SOP-INTERIM CHANGES ICN#-1-202
 2-94000/8L-4214                    /              11- 8-78    2
 NONE

 GIDEP ALERT STATUS WORK SHEETS REVISED PAGES ONLY
 2-94000/8L-4215                    /              11- 8-78    3
 NONE

 23DIR2001 PRE-FLIGHT SEQUENCE EVENTS GUIDANCE PROGRAM S-202C
 2-94000/8L-4216        302.2       /              11- 8-78    4
 NONE

 CHANGE REQUEST MONTHLY STATUS REPORT ENDING 10/31/78
 2-94000/8L-4218                    /              11- 9-78    6
 NONE

 TRANSMITTAL DEO-50733 (ELEC) AGNST-DWG 23-002085 REV-Y
 2-94000/8L-4219        681.22      /              11- 9-78    7
 NONE

 SEI-4127 25-SERIES E-SECTION PRE-SHIPPING SPECIAL INSPECTION 10/27/78
 2-94000/8L-4220        302.7       /              11- 9-78    8
 NONE

 2-94000 8R-26 SEMI-MONTHLY NARRATIVE STATUS PRESENTATION
 2-94000/8L-4165        681.11.1    /              11- 9-78   13
 NONE

THERE ARE          7 DOCUMENTS WITH A W.A. NUMBER/ID. CODE OF 3525
```

FIGURE 25

CORRESPONDENCE: W.A. NUMBER/ID CODE SEARCH: PRINTER OUTPUT

12: 49 11/30/78

W.A. NUMBER/ID CODE: 3525

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE		DATE-CODE
1.TRANSMITTAL SOP-INTERIM CHANGES ICN#-1-202 NONE	2-94000/8L-4214		/	11 878 2
2.GIDEP ALERT STATUS WORK SHEETS REVISED PAGES ONLY NONE	2-94000/8L-4215		/	11 878 3
3.23DIR2001 PRE-FLIGHT SEQUENCE EVENTS GUIDANCE PROGRAM S-202C NONE	2-94000/8L-4216	302.2	/	11 878 4
4.CHANGE REQUEST MONTHLY STATUS REPORT ENDING 10/31/78 NONE	2-94000/8L-4218		/	11 978 6
5.TRANSMITTAL DEO-50733 (ELEC) AGNST-DWG 23-002085 REV-Y NONE	2-94000/8L-4219	681.22	/	11 978 7
6.SEI-4127 25-SERIES E-SECTION PRE-SHIPPING SPECIAL INSPECTION 10/27/78 NONE	2-94000/8L-4220	302.7	/	11 978 8
7.2-94000 8R-26 SEMI-MONTHLY NARRATIVE STATUS PRESENTATION NONE	2-94000/8L-4165	681.11.1	/	11 978 13

FIGURE 26

CORRESPONDENCE

AUTHOR/SOURCE SEARCH

TERMINAL OUTPUT

```
**********************************************************************************
*                AUTHOR/SOURCE:  KEYNTON, R. J.                                  *
* SUBJECT                                                                        *
* TYPE/LETTER NUMBER      FILE SYSTEM CODE          INPUT DATE-CODE              *
* REFERENCED DOCUMENTS                                                           *
**********************************************************************************

 PURCHASE  ORDER-SCOU  ANALYSIS  II-FINAN  REPORTING PROGRAM WYLE-LAB
 MEMO                  115.2     /                 8- 3-78    11
 NONE

 SELECTION MICROFICHE READER PRINTER SPO
 MEMO                  535.7     /                 10-10-78   29
 NONE

 FLIGHT SCOUT S-201C HCMM
 MEMO                  131-201   /                 10-17-78   11
 AWARD PLAN 71277

 TASK-D  LATE  SUBMISSION  S-201 FINAL FLIGHT  REPORT
 S-4238/RJK            131-201   /                 8-30-78    10
 2-94000/8T-152

 TASK-D APPROVAL S-201 FINAL FLIGHT REPORT
 S-4356/RJK            131-201   /                 10-16-78    3
 2-94000/8L-4024

 THERE ARE    5 DOCUMENTS WITH A AUTHOR/SOURCE OF
KEYNTON, R. J.
```

FIGURE 27

CORRESPONDENCE: AUTHOR/SOURCE SEARCH: PRINTER OUTPUT

12: 20 11/30/78

AUTHOR/SOURCE: KEYNTON, R. J.

SUBJECT / REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE	DATE-CODE
1.PURCHASE ORDER-SCOU ANALYSIS II-FINAN REPORTING PROGRAM WYLE-LAB NONE	MEMO	115.2 /	8 378 11
2.SELECTION MICROFICHE READER PRINTER SPO NONE	MEMO	535.7 /	101078 29
3.FLIGHT SCOUT S-201C HCMM AWARD PLAN 71277	MEMO	131-201 /	101779 11
4.TASK-D LATE SUBMISSION S-201 FINAL FLIGHT REPORT 2-94000/8T-152	S-4238/RJK	131-201 /	83078 10
5.TASK-D APPROVAL S-201 FINAL FLIGHT REPORT 2-94000/8L-4024	S-4356/RJK	131-201 /	101678 3

FIGURE 28

CORRESPONDENCE

DOCUMENT/LETTER NUMBER SEARCH

TERMINAL OUTPUT

```
**************************************************************************
*                    DOCUMENT/LETTER NUMBER:  2-94000/8L-4270            *
* SUBJECT                                                                *
* TYPE/LETTER NUMBER     FILE SYSTEM CODE        INPUT DATE-CODE         *
* REFERENCED DOCUMENTS                                                   *
**************************************************************************

 TASK SUMMARY SAGE SPACECRAFT RELATED EFFORT 11/21/78
 2-94000/8L-4270        682.5.1   /              11-27-78   13
 NONE

THERE ARE          1 DOCUMENTS WITH DOCUMENT / LETTER NUMBER OF 2-94000/8L-4270
```

FIGURE 29

CORRESPONDENCE: DOCUMENT/LETTER NUMBER SEARCH: PRINTER OUTPUT

13: 48 11/30/78

DOCUMENT/LETTER NUMBER: 2-94000/8L-4270

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE	DATE-CODE
1.TASK SUMMARY SAGE SPACECRAFT RELATED EFFORT 11/21/78 NONE	2-94000/8L-4270	682.5.1 /	112778 13

FIGURE 30

CORRESPONDENCE

INPUT DATE SEARCH

TERMINAL OUTPUT

```
**********************************************************************************
*                              INPUT DATE:  10-31-78                             *
*                                                                                *
* SUBJECT                                                                        *
* TYPE/LETTER NUMBER     FILE SYSTEM CODE        INPUT DATE-CODE                 *
* REFERENCED DOCUMENTS                                                           *
**********************************************************************************

  NASA-DEFENSE PURCHASE REQUEST 11-BRISTOL SEVEN-DAY TEMPERATURE RECORDING
  L-68203A                 800.1     /                10-31-78   17
  NONE

  NASA-DEFENSE PURCHASE REQUEST RANGE SERVICE FY-1979
  L-86492A                 800.1     /                10-31-78   18
  NONE

  NASA-DEFENSE PURCHASE REQUEST MAGSAT RANGE SERVICE FY-1979
  L-86493A                 800.1     /                10-31-78   19
  NONE

  NASA-DEFENSE PURCHASE REQUEST FUNDING FY-1979 UTILITY REQUIREMENTS
  L-86494A                 800.1     /                10-31-78   20
  NONE

THERE ARE          4 DOCUMENTS WITH A DATE OF 10-31-78
```

FIGURE 31

CORRESPONDENCE: INPUT DATE SEARCH: PRINTER OUTPUT

12: 51 11/30/78

INPUT DATE: 10-31-78

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE	DATE-CODE
1.NASA-DEFENSE PURCHASE REQUEST 11-BRISTOL SEVEN-DAY TEMPERATURE RECORDING NONE	L-68203A	800.1 /	103178 17
2.NASA-DEFENSE PURCHASE REQUEST RANGE SERVICE FY-1979 NONE	L-86492A	800.1 /	103178 18
3.NASA-DEFENSE PURCHASE REQUEST MAGSAT RANGE SERVICE FY-1979 NONE	L-86493A	800.1 /	103178 19
4.NASA-DEFENSE PURCHASE REQUEST FUNDING FY-1979 UTILITY REQUIREMENTS NONE	L-86494A	800.1 /	103178 20

FIGURE 32

CORRESPONDENCE

SUBJECT SEARCH

TERMINAL OUTPUT

```
**********************************************************************
*                    SUBJECT:  WFC        INCORPORAT                 *
* SUBJECT
* TYPE/LETTER NUMBER      FILE SYSTEM CODE         INPUT DATE-CODE    *
* REFERENCED DOCUMENTS
**********************************************************************

 WFC INCORPORATION EO-51380 S-202
 TWX #2088              .131-202   /              .    11-22-78    2
 NONE

 WFC INCORPORATION SEI&EO S-202
 TWX #2087              131-202    /                   11-22-78    3
 NONE

 WFC INCORPORATION EO-50655 S-202
 TWX #2096              131-202    /                   11-22-78    4
 NONE

 WFC INCORPORATION EO-50200 50201 51498 ON-S-202
 2102                   131-202    /                   11-27-78   32
 NONE
```

FIGURE 33

CORRESPONDENCT: SUBJECT SEARCH: PRINTER OUTPUT

13: 54 11/30/78

SUBJECT: WFC INCORPORAT

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE	DATE-CODE
1.WFC INCORPORATION EO-51380 S-202	TWX #2088	131-202 /	112278 2
NONE			
2.WFC INCORPORATION SFI&EO S-202	TWX #2087	131-202 /	112278 3
NONE			
3.WFC INCORPORATION EO-50655 S-202	TWX #2096	131-202 /	112278 4
NONE			
4.WFC INCORPORATION EO-50200 50201 51498 ON-S-202	2102	131-202 /	112778 32
NONE			

FIGURE 34

CORRESPONDENCE

MAIL STATUS SEARCH

TERMINAL OUTPUT

```
**************************************************************************
*                          MAIL STATUS:  VC                              *
*                                                                        *
* SUBJECT                                                                *
* TYPE/LETTER NUMBER      FILE SYSTEM CODE        INPUT DATE-CODE        *
* REFERENCED DOCUMENTS                                                   *
**************************************************************************

 TASK-R-121 ALTAIR IIIA EXIT CONE INVESTIGATION
 TWX                     682/R      /              11- 1-78     1
 NONE

 MAGSAT HEATSHIELD CLEARANCE
 S-4367/LRT              243.3      /              11- 1-78     2
 NONE

 L-68203A SHIPMENT ALGOL-II ROCKET MOTORS
 S-4423/PEE              1830       /              11- 1-78     3
 NONE

 TASK-R-45 ANTARES III-CASE STRUCTURAL TEST
 S-4424/EEH              682//R     /              11- 1-78     4
 2-51100/8R-23063

 TRANSMITTAL VOUGHT WORK AUTHORIZATIONS
 2-94000/8L-4185                    /              11- 1-78     5
 NONE

 TASK-R-18E PCM TELEMETRY PACKAGE DEVELOPMENT
 SL-3654/AAO             682/R      /              11- 1-78    11
 SL-3716/AAO          2-94000/8T-181       2-94000/8T-171

 VC/VAFB OPERATIONS DAILY WORK SCHEDULE 11/1/78
 TWX                     403.9      /              11- 1-78    16
 NONE

THERE ARE          7 DOCUMENTS WITH A MAIL STATUS OF VC
```

FIGURE 35

CORRESPONDENCE: MAIL STATUS SEARCH: PRINTER OUTPUT

12: 11 11/30/78

MAIL STATUS: VC

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE		DATE-CODE
1.TASK-R-121 ALTAIR IIIA EXIT CONE INVESTIGATION NONE	TWX	682/R	/	11 178 1
2.MAGSAT HEATSHIELD CLEARANCE NONE	S-4367/LRT	243.3	/	11 178 2
3.L-66203A SHIPMENT ALGOL-II ROCKET MOTORS NONE	S-4423/PEE	1830	/	11 178 3
4.TASK-R-45 ANTARES III-CASE STRUCTURAL TEST 2-51100/8R-23063	S-4424/EEH	682//R	/	11 178 4
5.TRANSMITTAL VOUGHT WORK AUTHORIZATIONS NONE	2-94000/8L-4185		/	11 178 5
6.TASK-R-18F PCM TELEMETRY PACKAGE DEVELOPMENT SL-3716/AAO 2-94000/8T-181 2-94000/8T-171	SL-3654/AAO	682/R	/	11 178 11
7.VC/VAFB OPERATIONS DAILY WORK SCHEDULE 11/1/78 NONE	TWX	403.9	/	11 178 16

- TAR -

FIGURE 36

CORRESPONDENCE

ACTION DUE DATE SEARCH

TERMINAL OUTPUT

```
**********************************************************************
*                          ACTION DUE DATE                           *
* SUBJECT                                                            *
* TYPE/LETTER NUMBER     FILE SYSTEM CODE        INPUT DATE-CODE     *
* AUTHOR / SOURCE        RESPONSIBLE ENGINEER    DUE DATE            *
**********************************************************************

TRANSMITTAL VOUGHT-SOF MARK-UFS #M818-15 PROCEDURE #6-3-13
2-94000/8L-4217        409.1     /              11- 9-78    5
HORNE, R. C.                     TLO            12- 4-78

23DIR1996 PRE-FLIGHT WEIGHT REPORT S-202 PAYLOAD SAGE
2-94000/8L-4227        302.2     /              11-15-78    2
URASH, R. G.                     RJK            12-11-78

23DIR2079 PRE-FLIGHT WIND RESTRICTIONS S-202-SAGE MISSION 11/6/78
2-94000/8L-4228        302.2     /              11-15-78    3
URASH, R. G.                     RJK            12-11-78

23DIR2080 PRE-FLIGHT CONTROL SYSTEM SETTINGS HYDROGEN PEROXIDE
2-94000/8L-4229        302.2     /              11-15-78    4
URASH, R. G.                     RJK            12-11-78

TRANSMITTAL EO-51169 (GUID) REL-SPECS APPROVAL
2-94000/8L-4233        681.4     /              11-15-78    5
HORNE, R. C.                     DMF            12-11-78

SCOUT SYSTEMS R&D TECHNICAL MANAGEMENT
2-65000/8T-3           682/R-120 /              11-16-78    5
URASH, R. G.                     JVC            11-30-78

EO-51157 (RCS) REL-SPEC 304-600A AMEND#2 FOR APPROVAL
2-94000/8L-4243        681.4.1   /              11-21-78    6
HORNE, R. C.                     TLO            12-11-78

3-15000/5R 240 CONFIGURATION MANAGEMENT PLAN 11/1/78
2-94000/8L-4245        681.22    /              11-21-78    7
URASH, R. G.                     CWW            12-12-78

EO-51377 (PROP) AGNST-DWGS FOR APPROVAL
2-94000/8L-4247        681.22    /              11-21-78    9
HORNE, R. C.                     RPP            12-12-78

TASK-PLAN MAGSAT SPACECRAFT RELATED EFFORT
2-94000/8L-4256        682.5.1   /              11-22-78   15
HORNE, R. .                      TLO            12-15-78

TRANSMITTAL EO'S-AGNST DRAWING FOR APPROVAL
2-94000/8L-4260        682.22    /              11-27-78    8
HORNE, R. C.                     DMF            12-20-78
```

FIGURE 37

CORRESPONDENCE: ACTION DUE DATE SEARCH: PRINTER OUTPUT

12: 23 12/04/78

SUBJECT / AUTHOR	TYPE/LETTER NUMBER / RESPONSIBLE ENGINEER	FILE SYSTEM CODE	ACTION DUE DATE / DATE-CODE / DATE-DUE
1.TRANSMITTAL VOUGHT-SOP MARK-UPS #M818-15 PROCEDURE #6-3-13 HORNE, R. C.	2-94000/8L-4217 TLO	409.1 /	11 978 5 12 478
2.23DIR1996 PRE-FLIGHT WEIGHT REPORT S-202 PAYLOAD SAGE URASH, R. G.	2-94000/8L-4227 RJK	302.2 /	111578 2 121178
3.23DIR2079 PRE-FLIGHT WIND RESTRICTIONS S-202-SAGE MISSION 11/6/78 URASH, R. G.	2-94000/8L-4228 RJK	302.2 /	111578 3 121178
4.23DIR2080 PRE-FLIGHT CONTROL SYSTEM SETTINGS HYDROGEN PEROXIDE URASH, R. G.	2-94000/8L-4229 RJK	302.2 /	111578 4 121178
5.TRANSMITTAL EO-51169 (GUID) REL-SPECS APPROVAL "HORNE, R. C.	2-94000/8L-4233 DMF	681.4 /	111578 5 121178
6.SCOUT SYSTEMS R&D TECHNICAL MANAGEMENT URASH, R. G.	2-65000/8T-3 JVC	682/R-120 /	111678 5 113078
7.EO-51157 (RCS) REL-SPEC 304-600A AMEND#2 FOR APPROVAL HORNE, R. C.	2-94000/8L-4243 TLO	681.4.1 /	112178 6 121178
8.3-10000/5R 240 CONFIGURATION MANAGEMENT PLAN 11/1/78 URASH, R. G.	2-94000/8L-4245 CWW	681.22 /	112178 7 121278
9.EO-51377 (PROP) AGNST-DWGS FOR APPROVAL HORNE, R. C.	2-94000/8L-4247 RPP	681.22 /	112178 9 121278
10.TASK-PLAN MAGSAT SPPCECRAFT RELATED EFFORT HORNE, R. .	2-94000/8L-4256 TLO	682.5.1 /	112278 15 121578
11.TRANSMITTAL EO*S-AGNST DRAWING FOR APPROVAL HORNE, R. C.	2-94000/8L-4260 DMF	682.22 /	112778 8 122078

FIGURE 38

5.2 DESIGN INFORMATION RELEASE/REPORT - OUTPUT FORMATS

Outputs produced while operating within the Mail Log DIR/Report subfile can only result during the SEARCH mode.

5.2.1 SEARCH MODE FOR DIR

Outputs resulting from the SEARCH mode are a special listing of document records found containing a desired data item. These outputs are printed on the user terminal and on the high speed printer. All outputs are identical regardless of where the records are displayed. All outputs display the entire nine items within the DIR/Report document record. See Figure 39.

DESIGN INFORMATION RELEASE/REPORT

TERMINAL AND PRINTER SEARCH OUTPUTS

```
(1) TITLE
SCOUT TRAJECTORY  DATA  ILLUSTRATI  QUATERNION  GUIDANCE  EFFECTS
(2) DIR/REPORT NUMBER  (8) REVISION
23DIR1992              REV A
(3) DOCUMENT DATE      (9) REVISION DATE
 1-19-78                1-19-78
(4) SYSTEM
GUID TRAJ PERF
(5) W.A. NUMBER/ID CODE
3526RGAB
(6) CONTRACT NUMBER
NAS1-15100
(7) VEHICLE
  0    0


(1) TITLE
PRELIMINAR  WEIGHT  DATA  ADVANCED  SCOUT CONFIGURAT
(2) DIR/REPORT NUMBER  (8) REVISION
23DIR1099
(3) DOCUMENT DATE      (9) REVISION DATE
 8-19-70                0- 0- 0
(4) SYSTEM
MECH
(5) W.A. NUMBER/ID CODE
3282EAAC
(6) CONTRACT NUMBER
NAS1-7256
(7) VEHICLE
  0    0
```

FIGURE 39

5.3 DRAWING/ENGINEERING ORDER - OUTPUT FORMATS

Outputs produced while operating within the drawing or engineering order subfile may result during two modes: INPUT and SEARCH.

5.3.1 INPUT MODE FOR DRAWING/E.O.

Output resulting from the INPUT mode is a special message displayed on the user terminal regarding the status of a partaicular drawing sheet. This occurs while inputting a new engineering order on a drawing sheet. If the sheet has three or more E.O.'s already assigned, one of three possible messages will be displayed to the user. See Figure 40.

DRAWING/ENGINEERING ORDER

E.O. INPUT

TERMINAL OUTPUT

MESSAGE #1

```
**************************************************
WARNING!!! SHEET#  2. 0 FOR DRAWING 23 000087
           NOW HAS FOUR E.O.'S
**************************************************
```

MESSAGE #2

```
**************************************************
ATTENTION!!! SHEET#  2. 0 FOR DRAWING 23 000087
NOW HAS THE MAXIMUM ALLOWABLE OF FIVE E.O.'S
**************************************************
```

MESSAGE #3

```
*********************************************************************
ATTENTION!!!  IMPORTANT!!!, REVISION PASTDUE!!  IMMEDIATE ACTION REQUIRED!!
SHEET# 1. 0 FOR DRAWING 23 000469      NOW HAS  7 E.O.'S
*********************************************************************
```

FIGURE 40

5.3.2 SEARCH MODE FOR DRAWING/E.O.

Outputs resulting from the SEARCH mode are a special listing of drawing or drawing related records found containing a desired data item. These outputs are printed on the user terminal and on the high speed printer. All printer outputs contain a header indicating the data item being searched and a description of the other data items to be displayed. All drawing terminal outputs are displayed the same way with no headers using two options: Brief and Complete. The brief output only lists the E.O.'s for a drawing sheet whereas the complete output also gives additional information about each E.O. See Figure 41 for brief sample. See Figure 42 for complete sample. Terminal outputs for engineering order searches vary in the display of one field, VEHICLE NUMBER(S). The print all and E.O. number searches do display the vehicle number. See Figure 43. The E.O. vehicle search does not display the vehicle number because it does not need to be repeated. See Figure 44.

The high speed printer drawing output also has the same two options: Brief and Complete. Figure 45 exhibits a drawing title search with the brief option and Figure 46 shows the same search with the complete option. Figures 47 through 55 show all other printer outputs using the brief option.

The high speed printer E.O. outputs all display the same data items. See Figure 56 through 58.

DRAWING/ENGINEERING ORDER

DRAWING TERMINAL OUTPUT

DRAWING TITLE SEARCH

BRIEF OUTPUT

```
      1. DRAWING TITLE
ADAPT RING TRANS SECT B
       DRAWING NUMBER 23 000039          DATE 10-27-78
        SHEET#  1        REV D
         1. V24818

      2. DRAWING TITLE
BUSHING HOIST RING TRAN SECT B
       DRAWING NUMBER 23 000119          DATE 10-27-78
        SHEET#  1        REV D
         1. V31123

      3. DRAWING TITLE
STUD HOIST RING TRANS SECT B
       DRAWING NUMBER 23 000121          DATE 10-27-78
        SHEET#  1        REV C

      4. DRAWING TITLE
RING AFT ATTACH TRANS SECT B
       DRAWING NUMBER 23 000122          DATE 10-27-78
        SHEET#  1        REV C
         1. V40081
```

FIGURE 41

DRAWING/ENGINEERING ORDER

DRAWING TERMINAL OUTPUT

DRAWING TITLE SEARCH

COMPLETE OUTPUT

```
      1. DRAWING TITLE
ADAPT RING TRANS SECT B
       DRAWING NUMBER 23 000039          DATE 10-27-78
        SHEET#  1          REV D
         1. V24818   REV NC      10-27-78

      2. DRAWING TITLE
BUSHING HOIST RING TRAN SECT B
       DRAWING NUMBER 23 000119          DATE 10-27-78
        SHEET#  1          REV D
         1. V31123   REV A       10-27-78

      3. DRAWING TITLE
STUD HOIST RING TRANS SECT B
       DRAWING NUMBER 23 000121          DATE 10-27-78
        SHEET#  1          REV C

      4. DRAWING TITLE
RING AFT ATTACH TRANS SECT B
       DRAWING NUMBER 23 000122          DATE 10-27-78
        SHEET#  1          REV C
         1. V40081   REV NC      10-27-78
```

FIGURE 42

DRAWING/ENGINEERING ORDER

E.O. TERMINAL OUTPUT

PRINT ALL AND E.O. NUMBER SEARCHES

1.	V40081	REV NC	10-27-78	1935	0

FIGURE 43

DRAWING/ENGINEERING ORDER

E.O. TERMINAL OUTPUT

VEHICLE SEARCH

```
          1. E.O. NUMBER: V40044        E.O. REV NC     DATE 10-27-78
          2. E.O. NUMBER: V39092        E.O. REV NC     DATE 10-27-78
          3. E.O. NUMBER: V50505        E.O. REV NC     DATE 10-27-78
          4. E.O. NUMBER: V39091        E.O. REV NC     DATE 10-27-78
          5. E.O. NUMBER: V51311        E.O. REV NC     DATE 10-27-78
THERE ARE       5 E.O.'S RELATED TO VEHICLE 201
```

FIGURE 44

DRAWING/ENGINEERING ORDER: DRAWING TITLE SEARCH: PRINTER OUTPUT BRIEF

14: 15 11/30/78

DRAWING TITLE SEARCH : SECT B

DRAWING TITLE SHEET NUMBER E.O. NUMBER	RING DRAWING NUMBER	DATE
1. ADAPT RING TRANS SECT B SHEET# 1 REV D 1. V24818	23 000039	10-27-78
2. BUSHING HOIST RING TRAN SECT B SHEET# 1 REV D 1. V31123	23 000119	10-27-78
3. STUD HOIST RING TRANS SECT B SHEET# 1 REV C	23 000121	10-27-78
4. RING AFT ATTACH TRANS SECT B SHEET# 1 REV C 1. V40081	23 000122	10-27-78

FIGURE 45

DRAWING/ENGINEERING ORDER: DRAWING TITLE SEARCH: PRINTER OUTPUT COMPLETE

15: 7 11/30/78

DRAWING TITLE SEARCH : RING SECT B

DRAWING TITLE / SHEET NUMBER / E.O. NUMBER	DATE	E.O. TITLE	DRAWING NUMBER	DATE
1. ADAPT RING TRANS SECT B SHEET# 1 REV D 1. V24818 REV NC	10-27-78		23 000039	10-27-78
2. PUSHING HOIST RING TRAN SECT B SHEET# 1 REV D 1. V31123 REV A	10-27-78		23 000119	10-27-78
3. STUD HOIST RING TRANS SECT B SHEET# 1 REV C			23 000121	10-27-78
4. RING AFT ATTACH TRANS SECT B SHEET# 1 REV C 1. V40081 REV NC	10-27-78		23 000122	10-27-78

FIGURE 46

DRAWING/ENGINEERING ORDER: DRAWING PRINT ALL SEARCH: PRINTER OUTPUT

13: 16 12/01/78

PRINT ALL DRAWINGS

DRAWING TITLE SHEET NUMBER E.O. NUMBER	DRAWING NUMBER	DATE
1. FIN ASSY BASE SECT A	23 000021	10-27-78
SHEET# 1 REV S		
1. V34535		
2. D37280		
3. V39621		
4. V50313		
5. V51265		
6. V51001		
SHEET# 2 REV S		
1. V34535		
2. V50313		
SHEET# 3 REV S		
1. V34535		
2. V50313		
SHEET# 4 REV S		
1. V34535		
2. V50313		
SHEET# 5 REV S		
1. V34535		
2. V50313		
2. STRUCT ASSY TRANS LWR B	23 000026	10-27-78
SHEET# 1 REV U		
1. V36559		
2. V34519		
SHEET# 2 REV U		
1. V36559		
SHEET# 3 REV U		
1. V36559		
SHEET# 4 REV U		
1. V36559		

FIGURE 47

DRAWING/ENGINEERING ORDER: ACTION DUE SEARCH: PRINTER OUTPUT

11: 28 11/30/78

REVISION ACTION DUE SEARCH

DRAWING TITLE SHEET NUMBER E.O. NUMBER	DRAWING NUMBER	DATE
1. FIN ASSY BASE SECT A SHEET# 1 REV S 1. V34535 2. D37286 3. V39621 4. V50313 5. V51265 6. V51001	23 000021	10-27-78
2. COMPONENTS INST TLM BASE SECT A SHEET# 1 REV J 1. V27229 2. V24391 3. V37787 4. D20245 5. D24285 6. V51354	23 000097	10-27-78
3. SYS INST 2ND ST RCS TRAN B UPPR SHEET# 1 REV AA 1. V40048 2. D40041 3. D40038 4. D50311 5. D40010 6. D39482 7. D37800 8. D24141 9. V50415 10. D50429	23 000469	10-27-78

FIGURE 48

DRAWING/ENGINEERING ORDER: DRAWING NUMBER SEARCH: PRINTER OUTPUT

14: 58 11/30/78

DRAWING NUMBER SEARCH : 23 000472

DRAWING TITLE / SHEET NUMBER / E.O. NUMBER	DRAWING NUMBER	DATE
1. INSTRUMENTATION INST 3RD ST RCS		
SHEET# 1 REV V	23 000472	10-27-78
1. V40048		
2. D24391		
SHEET# 1. 1 REV V		
1. V40048		
SHEET# 2 REV V		
1. V40048		
SHEET# 2. 1 REV V		
1. V40048		
SHEET# 3. 2 REV V		
1. V40048		
SHEET# 7 REV V		
1. V40048		
SHEET# 10 REV V		
1. V40048		

FIGURE 49

DRAWING/ENGINEERING ORDER: DRAWING DATE SEARCH: PRINTER OUTPUT

```
                                                                                                    9: 25    12/14/78
**********************************************************************************************************************
                                        DRAWING DATE SEARCH :  12- 1-78
        DRAWING TITLE                                                          DRAWING NUMBER              DATE
         SHEET NUMBER
          E.O. NUMBER
**********************************************************************************************************************

     1. SAMPLE DRAWING USING SECTION AND SYSTEM                                401 00001                   12- 1-78
        SHEET#  1         REV

     2. SAMPLE DRAWING USING SYSTEM :MANUEL INPUT                              401 000002                  12- 1-78
        SHEET#  1         REV B
         1. V000001
```


FIGURE 50

DRAWING/ENGINEERING ORDER: DRAWING SYSTEM SEARCH: PRINTER OUTPUT

13: 47 12/01/78

SYSTEM SEARCH : ELEC

DRAWING TITLE SHEET NUMBER E.O. NUMBER	DRAWING NUMBER	DATE
1. SAMPLE DRAWING USING SECTION AND SYSTEM SHEET# 1 REV	401 00001	12- 1-78
2. SAMPLE DRAWING USING SYSTEM :MANUEL INPUT SHEET# 1 REV B 1. V000001	401 000002	12- 1-78

FIGURE 51

DRAWING/ENGINEERING ORDER: DRAWING VEHICLE SEARCH: PRINTER OUTPUT

14: 46 11/30/78

VEHICLE SEARCH : 202

DRAWING TITLE / SHEET NUMBER / E.O. NUMBER	DRAWING NUMBER	DATE
1. SECT ASSY P/L INTERFACE	23 003082	10-27-78
SHEET# 1 REV A		
1. V51363		
SHEET# 2 REV A		
1. V51363		
2. MOD INSTL 25 SERIES SAGE P/L	23 004523	10-27-78
SHEET# 1 REV NC		
1. V50591		
3. UMB CABLE ASSY-HCMM/SAGE SC	331 39724	10-27-78
SHEET# 1 REV A		
1. V51457		
4. SAGE P/L TEST CABLES	331 39734	10-27-78
SHEET# 1 REV NC		
1. V51477		

FIGURE 52

DRAWING/ENGINEERING ORDER: DRAWING SECTION SEARCH: PRINTER OUTPUT

13: 12 12/01/78

SECTION SEARCH : CASTOR IIA

DRAWING TITLE SHEET NUMBER E.O. NUMBER	DRAWING NUMBER	DATE
1. SAMPLE DRAWING USING SECTION AND SYSTEM SHEET# 1 REV	401 00001	12- 1-78

FIGURE 53

DRAWING/ENGINEERING ORDER: DRAWING VENDOR CODE SEARCH: PRINTER OUTPUT

9: 30 12/14/78

VENDOR CODE SEARCH : 401

DRAWING TITLE / SHEET NUMBER / E.O. NUMBER	DRAWING NUMBER	DATE
1. RADAR BEAC ASSY S RADAR B KIT SHEET# 1 REV NC	401 00411	10-27-78
2. BEAC RADAR CVRT 6B,61B,61C SHEET# 1 REV A	401 01331	10-27-78
3. COMP ASSY TLM PKG INSTR SHEET# 1 REV G 1. V27964	401 01500	10-27-78
4. SCHEM COMP ASSY TLM PKG SHEET# 1 REV B SHEET# 2 REV C SHEET# 3 REV B 1. V19033	401 01501	10-27-78
5. RADAR BEACON ASSY SHEET# 1 REV A	401 01861	10-27-78
6. BATT CASE RADAR BEAC KIT SHEET# 1 REV A	401 01862	10-27-78
7. RACK SCO MTG REWORK SHEET# 1 REV B 1. V07150	401 03354	10-27-78

FIGURE 54

DRAWING/ENGINEERING ORDER: DRAWING E.O. NUMBER SEARCH: PRINTER OUTPUT

15: 9 11/30/78

DRAWING - E.O. NUMBER SEARCH V39049

DRAWING TITLE SHEET NUMBER E.O. NUMBER	DRAWING NUMBER	DATE
1. BATTERY SIMULATOR C SECT	321 00076	10-27-78
SHEET# 1 REV C		
1. V39099		
2. V39049		
SHEET# 2 REV B		
1. V39049		
2. TEST BATTERIES TRANS D	321 00077	10-27-78
SHEET# 1 REV F		
1. V39099		
2. V39049		
SHEET# 2 REV E		
1. V39099		
2. V39049		
SHEET# 3 REV E		
1. V39099		
2. V39049		

FIGURE 55

DRAWING/ENGINEERING ORDER: E.O. PRINT ALL SEARCH: PRINTER OUTPUT

13: 57 12/01/78

E.O. SEARCH - PRINT ALL

	E.O. NUMBER		DATE	E.O. TITLE
1.	V34539	REV NC	10-27-78	
2.	D37288	REV NC	10-27-78	
3.	V39621	REV NC	10-27-78	
4.	V50313	REV NC	10-27-78	
5.	V51265	REV NC	10-27-78	
6.	V51061	REV NC	10-27-78	
7.	V36559	REV NC	10-27-78	
8.	V34519	REV NC	10-27-78	
9.	V24815	REV NC	10-27-78	
10.	V24818	REV NC	10-27-78	
11.	V40080	REV NC	10-27-78	
12.	V32206	REV NC	10-27-78	
13.	V37467	REV NC	10-27-78	
14.	V50363	REV NC	10-27-78	
15.	V50419	REV NC	10-27-78	
16.	V51362	REV NC	10-27-78	
17.	V39784	REV NC	10-27-78	
18.	V30984	REV A	10-27-78	

FIGURE 56

DRAWING/ENGINEERING ORDER: E.O. NUMBER SEARCH: PRINTER OUTPUT

14: 17 11/30/78

E.O. SEARCH

	E.O. NUMBER		DATE	E.O. TITLE
1.	V40081	REV NC	10-27-78	

FIGURE 57

DRAWING/ENGINEERING ORDER: E.O. VEHICLE SEARCH: PRINTER OUTPUT

14: 23 11/30/78

E.O. VEHICLE SEARCH 201

	E.O. NUMBER		DATE	E.O. TITLE
1.	V40044	REV NC	10-27-78	
2.	V39092	REV NC	10-27-78	
3.	V50505	REV NC	10-27-78	
4.	V39091	REV NC	10-27-78	
5.	V51311	REV NC	10-27-78	

FIGURE 58

6.0 GLOSSARY OF TERMS

The following is a glossary of terms, abbreviations, and acronyms used in the Operating Instruction Manual.

ARCHIVE	To save or put away data no longer needed or used
DATA BASE	A collection or set of data files; records.
DATA ITEM	A subdivision of a data record; for example; author and contract number are data items or fields of a memo record.
DIR	Design Information Release
EGS	Electrical ground support equipment
ELEC	Electrical
E.O.	Engineering Order
FIELDS	See Data Item
FILE	Storage area to place and keep data for later use
FORTRAN	Special language used to give instructions to the computer
GSE	Ground support equipment
GUID	Guidance

HOUSEKEEPING	Process by which the computer performs program instructions in order to permit smooth operation - for example, opening, closing, and deleting files.
H/S	Heatshield
ID	Identification
INPUT	To place data into a file
LOGIN	User process of being identified to the computer for further operation
MECH	Mechanical
MESSAGE	A special note displayed on the terminal to the user by the computer program
MGS	Mechanical ground support equipment
MODE	A type of task for a specific job.
OUTPUT	To show or display data
PERF	Performance
PRINTOUT	A special listing of data provided to the user by the computer for later reference or use.
PROP	Propulsion

RECORD	A subdivision of a file consisting of a set of data items from a document.
REVISE	To change or modify data.
RF	Radio frequency for telemetry system
SEARCH	To find or locate a specific set of data; records.
SOFTWARE	A group or set of fixed computer instructions designed to perform special tasks
SOP	Standard operating procedure
SPADS	Scout Project Automatic Data System
SPO	Scout Project Office
SPOOLED	Process by which the computer transfers a special output file to the printer for a printout.
SUBFILE	A part or subdivision of a file
TERMINAL	A device with typewriter keys used to communicate with the computer.
USER	Any person initiating interaction with the computer
W.A.	Work authorization.